

NO.7

RIGHT C-CUTS MED. STEEL 3/8 CAP

LEFT C-CUTS MED. STEEL

3/8 CAP

190M

CATALOG NO. 205A



■ HYDRAULIC PNEUMATIC

POWER PACKS ■ INDUSTRIAL TOOLS

H. K. PORTER, INC. SOMERVILLE, MASSACHUSETTS 02143

HOW TO SELECT THE RIGHT (KP) CUTTER FOR EVERY APPLICATION ... *

SYMBOL

21 IAI	BOL
A	METALS, HARD
В	METALS, MEDIUM HARD
C	METALS, SOFT
D	ROD, REINFORCING
E ¹ E ²	Soft BOLTS, RODS, Hard SCREWS, RIVETS
F	BARS, FLAT
G ¹	Soft Hard CHAIN
H ¹	Soft Hard WIRE, SOLID
1	WIRE, SPRING
J	WIRE, HOT
K	WIRE ROPE
L	WIRE FENCE
M	WIRE, STAINLESS STEEL

SYMBOL

N	WIRE, ELECTRIC
0	WIRE, GUY (GALVANIZED STEEL STRAND)
P	WIRE BOX BINDING
Q	CABLE, ALUMINUM (LEAD COVERED, RUBBER COVERED)
R	CABLE, COPPER
S	CABLE, STEEL
T	CABLE, (ACSR)
U	CABLE, PRESTRESSED
V	WROUGHT IRON
w	STRAPPING, STEEL
X ¹	Soft NAILS,
X ²	Hard COTTER PINS
Υ	PLASTICS, FIBER, ETC.
Z	TIRE CHAINS

* Many of the materials listed above are made in varying hardnesses.

It is not possible to list all metals and materials and hardnesses HKP Tools are recommended to cut. The above listing however, does cover a wide latitude of characteristics. Materials not listed, but of similar hardness, size and shape can also be cut with recommended tools. As an additional aid in selecting the right HKP Cutter for your application—Brinell and Rockwell hardness capacities are listed for each tool.

Here are the hardness classifications: HARD metals up to Brinell 400, Rockwell C42 MEDIUM-HARD metals up to Brinell 300, Rockwell C31 SOFT metals up to Brinell 200, Rockwell C15









SYMBOL	PAGE	SYMBOL	PAGE	SYMBOL	PAGE
	Angular Cutters, Hand	B,C,D,E1,G,H1,	Center Cut Cutters, Power,	B,C,E1,H1,K,L,	
	Angular Cutter, "Handklip" 8	I,J,L,M,R,V,X	Hydraulic	N,P,X1,Y	Wire Cutter, "Handklip" 8
	Angular Cutter, Pneumatic31	A,B,D,E2,H2,I, M,X2	Center Cut Cutters, Round Edge, Hard Metal4	A,D,E2,H2,I,K, M,T,X2	Wire Rope Cutters, Hand, Heavy Duty 5
A,B,D,E2,H2,I		A,B,D,E2,H2,I,	Center Cut Cutters, Round Edge,	B,H1,K,Q,R	Wire Rope, Cable Cutter10
M,O,S,T,U, X2	ACSR Cutters, Hand, with keeper 5	M,O,S,T,U,X2	with Keeper 5	K,Q,R	Wire Rope Cutter-Notched jaws11
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B,C,F,V	Bar, Flat & Strip Cutters 9	A,B,D,E2,G,H2,	Chain Cutters	K,N,O,Q,R,S	Wire Rope Cutter, Power, Hydraulic. 23
. *	Bar, Cutters, Hand, Hydraulic20	I,M C,E1,H1,V,X1	Clipper Cut Cutters, Sharp Edge 6	К	Wire Rope Cutter, Hydraulic25
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B,C,E1,G1,H1,			Clipper Cut Cutter, Utility		IISCELLANEOUS
L,V,X1	Bolt Cutters, General Purpose 4	C,E1,H1,L,V,X1,	onpper out outter, othing	Accessories	
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Q,R	Cable Cutter, Shear Type	N,P,X1,Y	"Handklip" Cutter, Center Cut 8		draulic Power Pack
Q,R	Cable Cutter, Soft Cable	W	"Handklip" Steel Strap Cutter 15	Tenesia de la companya della companya della companya de la companya de la companya della company	ols for Tire Chains
K,Q,R	Cable Cutter, Steel	*	Hand Hydraulic Cutters20,21		ated Hydraulic Power Packs 25–27
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B,C,E1,H1,L,Q,			One hand cutter, "Handklip" Center Cut	Powerpull Attach	nment
R,X1,Y	Center Cut, Utility 9	N,P,X1,Y	Pneumatic Cutters 30,31	Ratchet Type To	ols 10
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B,C,D,E1,G,H1, I,J,L,M,R,V,X	Center Cut Cutters, Hand, Hydraulic. 20	*	Tire Chain Repair Tools		ents

KEY TO HKP HAND AND POWER TOOL NUMBERS

A = Angular Cut

CS = Cable Cutter

FH = Cable Cutter

JG = Cable Cutter with Powerpull

87 = 2" Capacity Shear Blades

89 = 3" Capacity Shear Blades

C = Center Cut

CR = Center Cut Round Edge

NE = Clipper Cut or Side Cut

E = End Cut

FC = Fireman's Cutter

WFC = Firemen's Cutter

HC = Hard Chain

HD = Heavy Duty

JN = HD Tool With Powerpull

JO = HD Tool With Powerpull & Tripod

 $\mathbf{H} = \mathsf{Hydraulic}$

HE = Hydraulic Electric

HG = Hydraulic & Gasoline

W = Insulated Handles on Tool

X = Insulated Handles on Tool

K = Large Steel Strapping Cutter

LK = Large Tire Chain Tool

LC = Net Link Closer

CL = No. 4 or No. 5 Cable Cutter

TN = Notched Blade Cable Cutter

CN = Number 2 Cable Cutter

PQ = Nut Splitter

FH = Ratchet Cable Cutter

FS = Ratchet Cable Cutter

RE = Round Edge Clipper Cut

T = Shear Cutter

CD = Short Nosed Center Cut Jaws

T = Steel Strapping Cutter

L = Tire Chain Tools

MCK = Tools with Swing Away Keeper

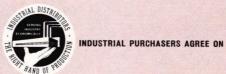
M = Tubular Handle Type



H.K.P. Plant and Offices, Somerville, Massachusetts

OVER 100 DIFFERENT HKP HAND AND POWER OPERATED CUTTERS AND TOOLS FOR INDUSTRY

H. K. Porter, Inc. has furnished dominant leadership in designing, engineering and building quality tools for industry since 1880. ■ There is a cutting tool specifically designed to cut virtually any metal or material in any size or shape. ■ This catalog has been carefully organized to help in selecting the right tool for each application. ■ If a standard HKP tool does not fit your requirement, special cutters can be designed. ■ We welcome inquiries and guarantee they will meet with prompt, interested attention.





PRECISION GROUND CUTTING EDGES

Accurately beveled for specific types of cuts and materials.

CUTTING JAWS

Alloy tool steel, drop forged, precision ground, induction hardened, for maximum wear resistance and longer cutting life.

PATENTED LOCKPLATE

Prevents jaw bolts from turning or loosening. Eliminates ''sloppy' head, insures trouble-free operation.

SIMPLE

One adjustment instead of four keeps cutting edges perfectly aligned.

THROAT SPRING

Keeps work in proper position for efficient cutting.

TOGGLE JOINT

Transforms 50 pounds of hand pressure on handles to 4,000 pounds pressure on cutting edge of jaws.

ALL STEEL TUBULAR HANDLES

Greater strength, lighter weight—increases cutting capacity, reduces fatigue.



ENGINEERED INTO HKP HAND CUTTERS...

For 87 years, H. K. Porter, Inc. has solved metal-cutting problems for industry with ingenuity, efficiency and economy. As new materials to be cut create new demands on cutting tools, research and development keeps pace. This catalog not only offers the most complete line of metal-cutting tools available but gives suggestions and engineering information that should simplify even the most unusual and challenging metal-cutting applications.

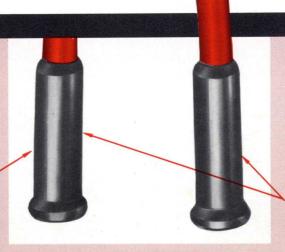
Efficiency and satisfaction has been engineered into

HKP

metal-cutting tools since 1880...Your local DISTRIBUTOR is your Metal-Cutting, Problem Solving HEADQUARTERS!

RUBBER GRIPS

Designed for easier handling—slip-proof for user safety.



The New

Sec.

HANDLES CLOSER TOGETHER

More hand power without strain.



HAND CUTTERS



GENERAL PURPOSE

While many HKP Cutters are designed for specific materials or specific uses, this General Purpose Cutter adapts the most popular sharp edge, center cut feature to a wide range of materials. This is the most versatile and most widely used HKP Cutter.



GENERAL PURPOSE-CENTER CUT-FOR SOFT & MEDIUM HARD METALS

*CAPACITIES-UP TO...

TOOL NUMBER	APPROX. WEIGHT IN LBS.	LENGTH	SOFT STEEL & NON- FERROUS	MEDIUM STEEL	HARD STEEL	IRON	REIN- Forcing Rod		S, RIVETS, EWS, WIRE	STAINLESS STEEL	HARD WIRE	TEMPERED SPRING
	LD0.		MATERIALS				KUD	SOFT	HARD		ROPE	WIRE
1490 C	27/8	14"	5/16"	1/4"	Do Not Cut	1/4"	Do Not Cut	5/16"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut
090 C	41/4	18"	3/8"	5/16"	Do Not Cut	5/16"	Do Not Cut	3/8"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut
190 MC	51/4	24"	7/16"	3/8"	Do Not Cut	3/8"	Do Not Cut	7/16"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut
290 MC	81/2	30"	9/16"	1/2"	Do Not Cut	1/2"	Do Not Cut	9/16"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut
390 MC	127/8	36"	5/8"	9/16"	Do Not Cut	9/16"	Do Not Cut	5/8"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut
590 C	171/8	42"	3/4"	5/8"	Do Not Cut	5/8"	Do Not Cut	3/4"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut

*BRINELL 300, ROCKWELL C31 HARDNESS



HARD METAL

This HKP Cutter is designed with slightly rounded, cutting edges equally beveled on both sides for the most efficient cutting action on all harder metals. Where greater capacities or where more demanding cuts are required, see HEAVY DUTY Cutter listing.



HARD METAL CUTTING-CENTER CUT-ROUND EDGE

TOOL NUMBER	APPROX. WEIGHT IN LBS.	LENGTH	SOFT STEEL & NON- FERROUS	MEDIUM STEEL	HARD STEEL	IRON	REIN- FORCING ROD	BOLTS, RI SCREWS,		STAINLESS STEEL	HARD WIRE ROPE	TEMPERED SPRING
			MATERIALS	-			KOD	SOFT	HARD		RUPE	WIRE
1490 CR	27/8	14"	Do Not Cut	1/4"	3/16"	Do Not Cut	3/16"	Do Not Cut	3/16"	3/16"	Do Not Cut	3/16"
090 CR	41/4	18"	Do Not Cut	5/16"	1/4"	Do Not Cut	1/4"	Do Not Cut	1/4"	1/4"	Do Not Cut	1/4"
190 MCR	51/4	24"	Do Not Cut	3/8"	5/16"	Do Not Cut	5/16"	Do Not Cut	5/16"	5/16"	Do Not Cut	5/16"
290 MCR	81/2	30"	Do Not Cut	1/2"	3/8"	Do Not Cut	3/8"	Do Not Cut	3/8"	3/8"	Do Not Cut	3/8"
390 MCR	12%	36"	Do Not Cut	9/16"	7/16"	Do Not Cut	7/16"	Do Not Cut	7/16"	7/16"	Do Not Cut	7/16"
590 CR	171/8	42"	Do Not Cut	5/8"	1/2"	Do Not Cut	1/2"	Do Not Cut	1/2"	1/2"	Do Not Cut	1/2"



HARD METAL with KEEPER FOR GUY WIRE (GALVANIZED STEEL STRAND), PRESTRESSED, ACSR CABLE

This is a hard metal cutter with a new SWING-AWAY keeper recommended for cutting guy wire (galvanized steel strand), prestressed cable and ACSR cable. The keeper prevents cable from spreading and deforming and insures clean, complete cutting of all strands. Also cuts bolts, rod, bars, etc.



HARD METAL CUTTING-CENTER CUT-ROUND EDGE-WITH KEEPER

*CAPACITIES-UP TO ...

			l	JSE KEEPER					BOLTS,		4
TOOL NUMBER	APPROX. WEIGHT IN LBS.	LENGTH	GUY WIRE (Galv. Steel Strand)	PRE- STRESSED CABLE	ACSR CABLE	MEDIUM STEEL	HARD STEEL	REIN- FORCING ROD	RIVETS, SCREWS, WIRE HARD	STAINLESS STEEL	TEMPERED SPRING WIRE
390 MCK	141/2	36"	7/16"	7/16"	7/16"	9/16"	7/16"	7/16"	7/16"	7/16"	7/16"
590 MCK	183/4	42"	1/2"	1/2"	1/2"	5/8"	1/2"	1/2"	1/2"	1/2"	1/2"

*BRINELL 400, ROCKWELL C42 HARDNESS

NOT RECOMMENDED FOR CUTTING SOFT METALS

NOTE: Use Swing-Away Keeper when cutting GUY WIRE, PRESTRESSED CABLE, ACSR CABLE and AT&T SPECIFICATION 16000#.



HEAVY DUTY

This HKP Cutter is recommended for the most demanding hand cutting applications. Extra heavy jaw bolts and straps make it the most rugged hand cutting tool available. Additional power for extra heavy or continuous cutting can be obtained by using TRIPOD or POWERPULL attachment shown on page 13.





HEAVY DUTY CUTTING-CENTER CUT-ROUND EDGE

*CAPACITIES-UP TO...

TOOL	APPROX. WEIGHT	LENGTH	SOFT STEEL & NON-	MEDIUM	HARD	IRON	REIN- FORCING	BOLTS, RI SCREWS,		STAINLESS	HARD GUY	TEMPERED SPRING
NUMBER	IN LBS.	LENGTH	FERROUS MATERIALS	STEEL	STEEL		ROD	SOFT	HARD	STEEL	STRAND	WIRE
290 MHD	91/4	30"	Do Not Cut	3/8"	3/8"	Do Not Cut	3/8"	Do Not Cut	9/16"	3/8"	7/16"	3/8"
390 MHD	141/8	36"	Do Not Cut	7/16"	7/16"	Do Not Cut	7/16"	Do Not Cut	5/8"	7/16"	1/2"	7/16"
590 HD	181/4	42"	Do Not Cut	1/2"	1/2"	Do Not Cut	1/2"	Do Not Cut	3/4"	1/2"	5/8"	1/2"
590 JN	28	42"	Do Not Cut	5/8"	5/8"	Do Not Cut	5/8"	Do Not Cut	3/4"	5/8"	5/8"	5/8"
590 JO	40	42"	Do Not Cut	5/8"	5/8"	Do Not Cut	5/8"	Do Not Cut	3/4"	5/8"	5/8"	5/8"

*BRINELL 400, ROCKWELL C42 HARDNESS—CAPACITIES SHOWN ARE MAXIMUM #590 JN is #590 HD with POWERPULL (see page 13.)

#590 JO is #590 HD with POWERPULL and TRIPOD (see page 13.)



HAND CUTTERS-for close cutting



CLIPPER CUT SHARP EDGE

This HKP Cutter is designed for trimming or cutting flush or close and square to a surface leaving no projection. Blades are beveled from one side only and cutting edges are in line with handles.

CAUTION: Use only for flush cutting of soft metals.



CLIPPER CUT-SHARP EDGE, FOR FLUSH CUTTING, SOFT METALS

*CAPACITIES UP TO...

TOOL NUMBER	APPROX. WEIGHT IN LBS.	LENGTH	SOFT STEEL & NON- FERROUS	MEDIUM STEEL	HARD STEEL	WROUGHT IRON	REIN- FORCING ROD		S, RIVETS, EWS, WIRE	STAINLESS STEEL	HARD WIRE ROPE	TEMPERED SPRING WIRE
			MATERIALS			,		SOFT	HARD		ROFE	WIKE
1490 NE	27/8	14"	1/4"	Do Not Cut	Do Not Cut	1/4"	Do Not Cut	5/16"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut
090 NE	41/4	18"	5/16"	Do Not Cut	Do Not Cut	5/16"	Do Not Cut	3/8"	Do Not Cut	Do Not Cut		Do Not Cut
190 MNE	51/4	24"	3/8"	Do Not Cut	Do Not Cut	3/8"	Do Not Cut	7/16"	Do Not Cut	Do Not Cut		
290 MNE	81/2	30"	1/2"	Do Not Cut	Do Not Cut	1/2"	Do Not Cut					Do Not Cut
390 MNE	12%							%16"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut
	, ,	36"	9/16"	Do Not Cut	Do Not Cut	9/16"	Do Not Cut	5/8"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut
590 NE	171/8	42"	5/8"	Do Not Cut	Do Not Cut	5/8"	Do Not Cut	3/4"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut

^{*}BRINELL 200, ROCKWELL C15 HARDNESS



CLIPPER CUT ROUND EDGE

An HKP Clipper Cut tool with cutting edges slightly rounded and heat treated to higher temper recommended for flush cutting medium hard metals. Blades are beveled from one side only and cutting edges are in line with handles.



CLIPPER CUT, ROUND EDGE-FLUSH CUTTING OF MEDIUM HARD METALS

TOOL NUMBER	APPROX. WEIGHT IN LBS.	LENGTH	SOFT STEEL & NON- FERROUS MATERIALS	MEDIUM STEEL	HARD STEEL	IRON	REIN- FORCING ROD		TS, RIVETS, EWS, WIRE HARD	STAINLESS STEEL	HARD WIRE ROPE	TEMPERED SPRING WIRE
1490 RE	27/8	14"	5/16"	1/4"	Do Not Cut	1/4"	Do Not Cut	5/16"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut
090 RE	41/4	18"	3/8"	5/16"	Do Not Cut	5/16"	Do Not Cut	3/8"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut
190 MRE	51/4	24"	7/16"	3/8″	Do Not Cut	3/8"	Do Not Cut	7/16"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut

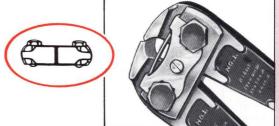
^{*}BRINELL 300, ROCKWELL C31 HARDNESS





END CUT NIPPER EDGE

This cutter is designed for head-on, close cutting. Cutting edges are at right angles to handles and cutter is recommended for close, flush cutting of soft metals. This cutter can be used in confined areas where conventional jaws cannot be placed in cutting position.



END CUT, NIPPER EDGE-FOR HEAD-ON CLOSE CUTTING SOFT METALS

*CAUTION: USE ON SOFT METALS ONLY.

TOOL NUMBER	APPROX. WEIGHT IN LBS.	LENGTH	SOFT STEEL & NON- FERROUS MATERIALS	MEDIUM STEEL	HARD STEEL	WROUGHT IRON	REIN- FORCING ROD		S, RIVETS, EWS, WIRE HARD	STAINLESS STEEL	HARD WIRE ROPE	TEMPERED SPRING WIRE
1490 E	3	14"		Do Not Cut	Do Not Cut	1/4"	Do Not Cut	5/16"		Do Not Cut	Do Not Cut	Do Not Cut
190 ME	53/8	24"	3/8"	Do Not Cut	Do Not Cut	3/8"	Do Not Cut	7/16"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut
390 ME	123/4	36"	9/16"	Do Not Cut	Do Not Cut	9/16"	Do Not Cut	5/8"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut

^{*}BRINELL 200, ROCKWELL C15 HARDNESS

ANGULAR CUT SHARP EDGE



The cutting edges of this HKP Cutter are off-set 30° from handles to keep work in sight while cutting. This off-set also facilitates comfortable cutting positions and keeps user's hand clear of work surface on special position cutting applications.



ANGULAR CUT, SHARP EDGE-FOR CLOSE CUTTING ON SOFT METALS

CAUTION: USE ON SOFT METALS ONLY.

TOOL NUMBER	APPROX. WEIGHT IN LBS.	LENGTH	ENGTH & NON- MEDIUM HARD IRON FORCING FERROUS STEEL STEEL ROD FORCING			rs, RIVETS, EWS, WIRE	STAINLESS STEEL	HARD WIRE ROPE	TEMPERED SPRING WIRE			
NOMBEK	IN LBS.	-	MATERIALS				KOD	SOFT	HARD	20	KUFE	WIKE
1490 A	31/8	14"	1/4"	Do Not Cut	Do Not Cut	1/4"	Do Not Cut	5/16"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut
190 MA	51/2	24"	3/8"	Do Not Cut	Do Not Cut	3/8"	Do Not Cut	7/16"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut
390 MA	131/8	36"	9/16"	Do Not Cut	Do Not Cut	%16"	Do Not Cut	5/8"	Do Not Cut	Do Not Cut	Do Not Gut	Do Not Cut

^{*}BRINELL 200, ROCKWELL C15 HARDNESS



ONE HAND and UTILITY METAL CUTTERS

690A HANDKLIP ANGULAR CUTTER

Designed for one hand, flush cuts. Handles are off-set 30° to cutting edges to keep hands away from work surface. Plastic covered non-slip grip. Tool box size.





HANDKLIP ANGULAR CUTTER-FOR CLOSE CUTTING SOFT METALS

*CAPACITIES UP TO...

TOOL NUMBER	APPROX. WEIGHT IN OZS.	LENGTH	SOFT STEEL & NON- FERROUS	MEDIUM STEEL	HARD STEEL	WROUGHT IRON	SMALL R	ods		S, RIVETS, CREWS	SOFT NAILS, COTTER	SOFT WIRE	ALUMINUM, BRASS,
	114 023.		MATERIALS				HARD	SOFT	SOFT	HARD	PINS	ROPE	COPPER
690 A	13	9"	3/16"	Do Not Cut	Do Not Cut	3/16"	Do Not Cut	3/16"	1/4"	Do Not Cut	3/16"	Do Not Cut	3/16"

*BRINELL 200, ROCKWELL C15 HARDNESS

690C HANDKLIP® CENTER CUT—WIRE CUTTER

A one hand cutter with special parrot-beak jaw for ease in grasping wire, pulling staples, forcing cutter blade into hard-to-cut positions. Plastic covered, non-slip grip. Tool box size.





HANDKLIP WIRE CUTTER-CENTER CUT, FOR SOFT AND MEDIUM HARD METALS

*CAPACITIES UP TO...

TOOL NUMBER	APPROX. WEIGHT	LENGTH	SOFT STEEL & NON-	MEDIUM	HARD	WROUGHT	SMALL R	ODS		RIVETS, EWS	NAILS, COTTER	SOFT WIRE	ALUMINUM, BRASS.
NUMBER	IN OZS.	-17	FERROUS MATERIALS	STEEL	STEEL	IRON	HARD	SOFT	SOFT	MED. HARD	PINS	ROPE	COPPER
690 C	13	9″	3/16"	3/16"	Do Not Cut	3/16"	Do Not Cut	1/4"	1/4"	3/16"	3/16"	3/16"	3/16"

*BRINELL 300, ROCKWELL C31 HARDNESS

1290NE UTILITY CLIPPER CUTTER

One of the handiest utility cutters designed for close, flush general purpose, odd-job cutting of soft metals. Cutting blades beveled on one side only. A two handed cutter but still tool kit size.





UTILITY CLIPPER CUTTER-FOR SOFT METALS ONLY

CAUTION: USE ON SOFT METALS ONLY.

TOOL NUMBER	APPROX. WEIGHT IN LBS.	LENGTH	SOFT STEEL & NON- FERROUS MATERIALS	MEDIUM STEEL	HARD STEEL	WROUGHT IRON	SOFT SMALL RODS		S, RIVETS, CREWS	SOFT NAILS, COTTER PINS	SOFT WIRE ROPE	ALUMINUM, BRASS, COPPER
1290 NE	11/2	12"	3/16"	Do Not Cut	Do Not Cut	3/16"	3/16"	1/4"	Do Not Cut	3/16"	Do Not Cut	1/4"





1590C UTILITY CENTER CUT

For general purpose center cut applications on soft and mediumhard metals. A light weight but rugged two handed metal cutter. An excellent farm, home or shop utility tool.





UTILITY CENTER CUT CUTTER-FOR SOFT OR MEDIUM HARD METALS

*CAPACITIES UP TO...

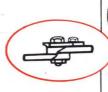
	TOOL NUMBER	APPROX. WEIGHT IN LBS.	LENGTH	SOFT STEEL & NON- FERROUS MATERIALS	MEDIUM STEEL	HARD STEEL	WROUGHT IRON	SMALL RODS		rs, RIVETS, SCREWS HARD	NAILS, COTTER PINS	SOFT WIRE ROPE	ALUMINUM, BRASS, COPPER
Ī	1590 C	13/8	15"	1/4"	1/4"	Do Not Cut	1/4"	1/4"	1/4"	Do Not Cut	1/4"	1/4"	1/4"

*BRINELL 300, ROCKWELL C31 HARDNESS



SHEAR CUTTERS for BAR, STRIP

Cutting edges pass each other with shearing action to make clean, square-end cuts on flat bar stock and strip stock. Keeper holds stock firmly in position while cutting.





SHEAR CUTTERS-FOR SOFT AND MEDIUM HARD BAR AND STRIP STOCK

TOOL NUMBER	APPROX. WEIGHT	LENGTH	SOFT STEEL & NON-	MEDIUM STEEL	HARD STEEL	IRON	REIN- FORCING		RIVETS, WIRE	STAINLESS STEEL	HARD WIRE ROPE	TEMPERED SPRING WIRE
NOWIDER	IN LBS.		FERROUS MATERIALS	OTELL	0.222		ROD	SOFT	HARD		KOLL	W.K.E
1490 T	23/4	14"	7/8" X 5/32"	7/8" X 5/32"	3/4" X 1/8"	7/8" X 5/32"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut
190 MT	43/4	24"	1¹/₄″ x ⁷ /₃₂″	1½" x 7/32"	1½" x 3/16"	11/4" X 7/32"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut
390 MT	131/8	36"	1½" x 9/32"	1½" x %32"	17/ ₁₆ " x	1½" x %32"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut

^{*}UP TO ROCKWELL C42 HARDNESS AT REDUCED CAPACITIES



WIRE ROPE and CABLE CUTTERS



8690FS CABLE CUTTER, RATCHET TYPE-FOR SHEARING CUTS ON NON-FERROUS CABLE*

RATCHET TYPE CABLE CUTTERS—CAPACITIES

TOOL NUMBER	LENGTH INCHES	WEIGHT LBS.	JAW OPENING	ALL ALUMINUM CABLE	COPPER* (Except Hard Drawn)	COPPER (Hard Drawn)	TELEPHONE CABLE* (Except Self-sup- porting)	TELEPHONE CABLE (Self- supporting)	ACSR	SPECIFI- CATION STRAND	COMMON STEEL STRAND	SOFT STEEL RODS, BOLTS	WIRE ROPE	ACAR
8690 FS	271/2	91/2	2"	2500 MCM	1500 MCM	1000 MCM	2"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	2500 MCM

^{*}Including Lead Covered



CABLE CUTTER, RATCHET TYPE-FOR SHEARING CUTS-HARD CABLE, GUY WIRE, ACSR

RATCHET TYPE CABLE CUTTERS—CAPACITIES

TOOL NUMBER	LENGTH INCHES	WEIGHT LBS.	JAW OPENING	ALL ALUMINUM CABLE	COPPER* (Except Hard Drawn)	COPPER (Hard Drawn)	TELEPHONE CABLE* (Except Self-sup- porting)	TELEPHONE CABLE (Self- supporting)	ACSR	SPECIFI- CATION STRAND	COMMON STEEL STRAND	SOFT STEEL RODS, BOLTS	WIRE ROPE	ACAR
8690 FH	291/4	10½	13/16"	1000 MCM	1000 MCM	1000 MCM	1¾16″	13/16"	954 MCM	16 M (7/16")	1/2"	1/2"	3/8"	1000 MCM

^{*}Including Lead Covered



WIRE ROPE and CABLE CUTTERS



Rugged construction of cutter head makes this tool ideal for heavy duty cutting of electric power cable, wire rope and other demanding applications. Powerpull and Tripod attachments shown on Page 13 may be used for extremely tough cuts. Also see Cutter 1790TN, Page 21.





CABLE CUTTER, CENTER CUT-FOR SOFT TO MEDIUM HARD WIRE ROPE OR CABLE

*CAPACITIES UP TO...

TOOL NUMBER	APPROX. WEIGHT IN LBS.	LENGTH	GUY WIRE (Galv. Steel Strand)	PRE- STRESSED CABLE	ACSR CABLE	COPPER CABLE	ALL- ALUMINUM CABLE	LEAD- COVERED CABLE	RUBBER- COVERED CABLE	SOLI SOFT	D WIRE	WIRE ROPE
590 CL	201/2	43"	Do Not Cut	Do Not Cut	Do Not Cut	7/8"	7/8"	7/8"	7/8"	7/8"	Do Not Cut	3/4"
590 JG†	29	43"	Do Not Cut	Do Not Cut	Do Not Cut	7/8″	7/8"	7/8"	7/8″	7⁄8″	Do Not Cut	3/4"

*BRINELL 300, ROCKWELL C31 HARDNESS **†TOOL WITH POWERPULL**

CABLE CUTTER-STEEL CABLE

An excellent cutter for steel cable or wire rope. Notched jaw holds and locks cable in cutting position. Shearing action of blades insures clean, sharp cutting of coarse or fine stranded materials. Also see 1790TN Cutter, Page 21.





STEEL CABLE CUTTER, NOTCHED JAWS-FOR WIRE ROPE-COARSE OR FINE STRAND

CAPACITIES UP TO...

TOOL	APPROX.	LENGTH	GUY WIRE	PRE- STRESSED	ACSR	COPPER	ALL- ALUMINUM	STRAI	NDED WIRE	WIRE
NUMBER	WEIGHT IN LBS.	LENGTH	(Galv. Steel Strand)	CABLE	CABLE	CABLE	CABLE	SOFT	HARD	ROPE
1490 TN	3	14"	Do Not Cut	Do Not Cut	Do Not Cut	1/4"	1/4"	1/4"	Do Not Cut	1/4"
190 MTN	5	24"	Do Not Cut	Do Not Cut	Do Not Cut	3/8"	3/8"	3/8"	Do Not Cut	3/8"
390 MTN	125/8	36"	Do Not Cut	Do Not Cut	Do Not Cut	5/8"	5/8″	5/8"	Do Not Cut	5/8"
590 TN	17	42"	Do Not Cut	Do Not Cut	Do Not Cut	3/4"	3/4"	3/4"	Do Not Cut	3/4"

CABLE CUTTER-SHEAR TYPE

Designed especially for efficient cutting of soft Aluminum or Copper cables except ACSR. Jaws pass each other for clean shear cutting of all cable strands. Hook blade forces cable into jaws while cutting with no crushing or distortion.

See 179087 and 179089 Cutters, Page 21. Also see TN Cutters.





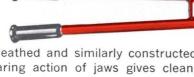
290CN CABLE CUTTER, SPECIAL SHEAR-FOR SOFT NON-STEEL CABLE ONLY

TOOL NUMBER	APPROX. WEIGHT IN LBS.	LENGTH	GUY WIRE (Galv. Steel Strand)	PRE- STRESSED CABLE	ACSR CABLE	SOFT COPPER CABLE	ALL- ALUMINUM CABLE	LEAD- COVERED CABLE	RUBBER- COVERED CABLE	SOLID WIRE	WIRE ROPE
290 CN	9	30"	Do Not Cut	Do Not Cut	Do Not Cut	13/8"	13/8"	13/8"	13/8"	Do Not Cut	Do Not Cut

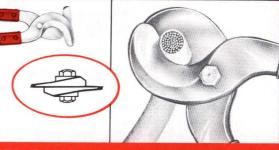


WIRE ROPE and CABLE CUTTERS

CABLE CUTTER-LEAD SHEATHED CABLE



Designed for cutting lead sheathed and similarly constructed communications cable. Shearing action of jaws gives clean, sharp cut with minimum distortion of inside wires. A 15" handle extension (No. 306CS) can be attached to tool 390CS to obtain extra leverage. Also see 179087 and 179089 Cutters, Page 21.



CABLE CUTTER, SHEAR TYPE-FOR LEAD SHEATHED CABLE

CAPACITIES UP TO ...

TOOL NUMBER	APPROX. WEIGHT IN LBS.	LENGTH	GUY WIRE (Galv. Steel Strand)	PRE- STRESSED CABLE	ACSR CABLE	INSULATED COPPER STRAND	LEAD- COVERED CABLE	RUBBER- COVERED CABLE	SOLID WIRE HARD	WIRE ROPE
190 CS	51/4	231/2"	Do Not Cut	Do Not Cut	Do Not Cut	375,000 Circular Mils	1"	1"	Do Not Cut	Do Not Cut
390 CS	103/4	37"	Do Not Cut	Do Not Cut	Do Not Cut	750,000 Circular Mils	21/4"	21/4"	Do Not Cut	Do Not Cut

CABLE CUTTER— LIGHT, SOFT CABLE

Recommended for cutting regular and inside telephone cable and high insulation content wires. Shear type blades

pass each other cutting all strands cleanly. Patented Power Slot feature increases cutting power 80%, reduces fatigue. (Not recommended for cables with high percentage of copper wire.)





CABLE CUTTER, SHEAR TYPE-FOR SOFT CABLE ONLY

*CAPACITIES UP TO ...

TOOL NUMBER	APPROX. WEIGHT IN LBS.	LENGTH	GUY WIRE (Galv. Steel Strand)	PRE- STRESSED CABLE	ACSR CABLE	ARMORED COPPER CABLE	LEAD- COVERED CABLE	RUBBER- COVERED CABLE	SOLID WIRE	WIRE ROPE
290 FH	45/8	27"	Do Not Cut	Do Not Cut	Do Not Cut	13/8"	13/8"	13/8"	Do Not Cut	Do Not Cut
390 FH	71/4	34"	Do Not Cut	Do Not Cut	Do Not Cut	13/4"	13/4"	13/4"	Do Not Cut	Do Not Cut

*BRINELL 200, ROCKWELL C15 HARDNESS. NOT RECOMMENDED FOR CABLE WITH HIGH PERCENTAGE OF COPPER WIRES.

WIRE CUTTER-INSULATED

This center cut cutter is designed for use on "live" wires. Handles are insulated with a special rubber, hot molded to provide high dielectric strength and resistance to oxidation and chemicals. Handles tested at factory to withstand 20,000 volts.



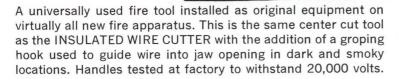
INSULATED WIRE CUTTER—FOR BARE OR INSULATED SOFT TO MEDIUM HARD "LIVE" WIRES

TOOL	APPROX. WEIGHT	LENGTH	GUY WIRE (Galv.	PRE- STRESSED	ACSR	COPPER	ALL- ALUMINUM	RUBBER- COVERED	102	LID WIRE
NUMBER	IN LBS.	ELITOTII	Steel Strand)	CABLE	CABLE	CABLE	CABLE	CABLE	SOFT	HARD
090 XC	41/2	19"	5/16"	Do Not Cut	Do Not Cut	5/16"	5/16"	5/16"	5/16"	Do Not Cut
190 WC	61/4	25"	3/8"	Do Not Cut	Do Not Cut	3/8"	3/8"	3/8"	3/8"	Do Not Cut
290 WC	93/4	311/2"	1/2"	Do Not Cut	Do Not Cut	1/2"	1/2"	1/2"	1/2"	Do Not Cut
390 WC	15	37"	5/8"	Do Not Cut	Do Not Cut	5/8"	5/8"	5/8"	5/8"	Do Not Cut



WIRE CUTTER-INSULATED (CONTINUED)

FIREMAN'S CUTTER-**INSULATED**







FIREMAN'S CUTTER, INSULATED-FOR INSULATED AND SOFT TO MEDIUM HARD "LIVE" WIRES

*CAPACITIES UP TO ...

TOOL	APPROX. WEIGHT	LENGTH	GUY WIRE (Galv.	PRE- STRESSED ACSR COPPEI	COED ACSK			RUBBER- COVERED	SOL	ID WIRE
NUMBER	IN LBS.	LENGIN	Steel Strand)	CABLE	CABLE	CABLE	CABLE	CABLE	SOFT	HARD
090 FC	5	211/4"	5/16"	Do Not Cut	Do Not Cut	5/16"	5/16"	5/16"	5/16"	Do Not Cut
190 WFC	61/2	27"	3/8"	Do Not Cut	Do Not Cut	3/8"	3/8"	3/8"	3/8"	Do Not Cut
390 WFC	16	39"	5/8"	Do Not Cut	Do Not Cut	5/8"	5/8"	5/8"	5/8"	Do Not Cut

*BRINELL 300, ROCKWELL C31 HARDNESS

HARD CHAIN CUTTER

CHAIN CUTTER-HARD METAL

This chain cutter has high tempered jaws with rounded edges for maximum strength and durability. Short nosed jaws cut one side of link at a time.





HARD CHAIN CUTTER

*CAPACITIES UP TO...

TOOL	APPROX. WEIGHT	LENGTH	HARD	SOFT STEEL & NON-	MEDIUM	HARD	HARD	REIN- FORCING	BOLTS, RI	VETS,	STAINLESS	TEMPERED SPRING
NUMBER	IN LBS.	LENGTH	CHAIN	FERROUS MATERIALS	STEEL	STEEL	IRON	ROD	SOFT	HARD	STEEL	WIRE
190 MHC	51/4	24"	5/16"	Do Not Cut	5/16"	5/16"	5/16"	5/16"	Do Not Cut	5/16"	5/16"	5/16"
390 MHC	125/8	36"	7/16"	Do Not Cut	7/16"	7/16"	7/16"	7/16"	Do Not Cut	7/16"	7/16"	7/16"
590 HC	18	42"	1/2"	Do Not Cut	1/2"	1/2"	1/2"	1/2"	Do Not Cut	1/2"	1/2"	1/2"

*BRINELL 440, ROCKWELL C46 HARDNESS

NET-LINK CLOSER— FOR CLOSING **CHAIN LINKS**

Two models designed to close heavy chain links with ease in seconds. Used for net chains on commercial fishing boats

and draggers or for mooring chains. Galvanized for protection against rust and salt water damage.



NET-LINK CLOSER

TOOL NUMBER	LENGTH	WT. LBS.	CA- PACITY
190 LC	24"	6	5/16" dia.
290 MLC	30"	71/2	3/8" dia.

OPEN LINK FITS TOOL AND SLIGHT HANDLE PRESSURE CLOSES LINK TIGHTLY.



HAND CUTTER ACCESSORIES

POWERPULL

Increases the power that can be applied to No. 590 Cutters by means of a reduction gear, chain sprocket, and handle.



Supports the cutting tool at a convenient position when used with Heavy Duty Cutter or with POWERPULL attachment. Use with No. 590 series tools only.





WORK STATION CUTTER

WORK STATION CUTTER

A complete line of HKP® Work Station Cutters is available for frequent or continuous cutting of virtually any material up to 1/2" diameter.

Work Station Cutters are hand operated and may be permanently mounted on bench or bolted to a plank for portability.

One hand pulls handle toward operator, leaving the other hand free for continuous feeding.

HKP® Work Station Cutters increase the cutting production of one operator up to 300%.

3 SIZES OF WORK STATION CUTTERS AVAILABLE

SERIES NO.	BASE	HANDLE LENGTH	WEIGHT LBS.
7090	25/8" x 31/4"	131/2"	41/4
7190	3" x 6."	21"	8
7390	5" x 8"	34"	20

9 TYPES OF CUTTER HEADS AVAILABLE



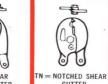
NE = CLIPPER CUT



















CAPACITIES UP TO

CAP	ACIT	IES U	Р ТО										
TOOL NUMBER (Com-	BRI- NELL	ROCK- WELL HARD-	SOFT STEEL & NON- FERROUS	MEDIUM STEEL	HARD STEEL	IRON	REIN- FORCING	BOLTS,	RIVETS	STAIN- LESS	FLAT BARS &	HARD WIRE ROPE	TEM- PERED
plete)	WEEE	NESS	MA- TERIALS	SILLE	SILLE		ROD	SOFT	HARD	STEEL	STRIP	OR CABLE	SPRING WIRE
7090 C	300	C31	5/16"	5/16"	Do Not Cut	5/16"	Do Not Cut	5/16"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut
7190 C	300	C31	7/16"	3/8"	Do Not Cut	3/8"	Do Not Cut	7/16"		Do Not Cut			
7390 C	300	C31	5/8"	%16"	Do Not Cut	9/16"	Do Not Cut	5/8"		Do Not Cut			
7090 NE	200	C15	5/16"	Do Not Cut	Do Not Cut	5/16"	Do Not Cut	5/16"		Do Not Cut			
7190 NE	200	C15	3/8"	Do Not Cut	Do Not Cut	3/8"	Do Not Cut	7/16"		Do Not Cut			
7390 NE	200	C15	%16"	Do Not Cut	Do Not Cut	%16"	Do Not Cut	5/8"		Do Not Cut	MANAGEMENT OF THE PARTY OF THE	Do Not Cut	
7090 CR	400	C42	Do Not Cut	5/16"	1/4"	Do Not Cut	1/4"	Do Not Cut	1/4"	1/4"		Do Not Cut	1/4"
7190 CR	400	C42	Do Not Cut	3/8"	5/16"	Do Not Cut	5/16"	Do Not Cut	7/16"	7/16"	The second secon	Do Not Cut	5/16"
7390 CR	400	C42	Do Not Cut	9/16"	7/16"	Do Not Cut	7/16"	Do Not Cut	3/8"	3/8"	Do Not Cut	Do Not Cut	7/16"
7090 RE	300	C31	5/16"	5/16"	Do Not Cut	5/16"	Do Not Cut	5/16"	Do Not Cut	Do Not Cut	Do Not Cut		Access to the second se
7190 RE	300	C31	7/16"	3/8"	Do Not Cut	3/8"	Do Not Cut	7/16"	Do Not Cut	1	Do Not Cut		
7190 T	400	C42	1½" x 3/32"	1½" x 3/32"	1½" x ¾16"	1½" x 3/32"	Do Not Cut	Do Not Cut	Do Not Cut	11//// ٧	1½" x 7/32"	Do Not Cut	
7390 T	400	C42	17/ ₁₆ " x	17/16" x	17/16" X	17/16" X	Do Not Cut	Do Not Cut	Do Not Cut	17/16" x	17/16" x	Do Not Cut	Do Not Cut
7190 TN	400	C42	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	3/8"	Do Not Cut
7390 TN	400	C42	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	1/2"	Do Not Cut
7190 E	200	C15	3/8"	Do Not Cut	Do Not Cut	3/8"	Do Not Cut	7/16"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut
7390 E	200	C15	9/16"	Do Not Cut	Do Not Cut	9/16"	Do Not Cut		-	Do Not Cut			
7090 HC	440	C46	Do Not Cut	1/4"	1/4"	1/4"	Do Not Cut	Do Not Cut	1/4"	1/4"	Do Not Cut		1/4"
7190 HC	440	C46	Do Not Cut	5/16"	5/16"	5/16"	5/16"	Do Not Cut	5/16"	5/16"	Do Not Cut		5/16"
7390 HC	440	C46	Do Not Cut	%16"	7/16"	7/16"	7/16"	Do Not Cut	7/16"	7/16"	Do Not Cut	Do Not Cut	7/16"
7390 HD	400	C42	Do Not Cut	3/8"	3/8"	Do Not Cut	3/8"	Do Not Cut	3/8"	7/16"	Do Not Cut	Do Not Cut	7/16"



STEEL STRAP CUTTERS

990T STEEL STRAP CUTTERS

The most popular steel strap cutter. Wedge-type jaws for quick, easy cuts. Spring action opens jaws automatically before and after each cut.





990T STEEL STRAP CUTTER

CAPA	CITIES	SUPT	0	
TOOL NUMBER	APPROX. WEIGHT LBS.	APPROX. LENGTH	FLAT STEEL STRAP	ROUND STEEL STRAP
990 T	1	9″	3/4" x .035	up to 14 gauge (.080)

690T HANDKLIP®

Recommended for cutting small or large, flat or round, steel strapping. Top jaw hooks easily under strapping and "pull" cut can be made quickly without damage to container. Pocket size.





690T HANDKLIP

CAPAC	TIES UI	Р ТО	
TOOL NUMBER	APPROX. WEIGHT LBS.	APPROX. LENGTH	FLAT STEEL STRAP
690 T	7/8	9″	11/4" x .035

1290T STEEL STRAP CUTTER

A rugged strap cutter that can be used with one hand. Special design eliminates spring action. Makes sharp, clean, fast cuts.



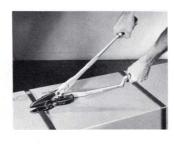


1290T STEEL STRAP CUTTER

CAPAC	CITIES	UP TO	
TOOL NUMBER	APPROX. WEIGHT LBS.	APPROX. LENGTH	FLAT STEEL STRAP
1290 T	15/8	12"	1½″ x .050

2690K HEAVY **DUTY STEEL** STRAP CUTTER

A long handled, two handed cutter that makes light work of heavy steel strapping. Long handles keep worker safe distance from cut. Necessary for pallets, loading and unloading freight cars, trucks.





2690K HEAVY DUTY STEEL STRAP CUTTER

CAPACI	TIES UP	TO	
TOOL NUMBER	APPROX. WEIGHT LBS.	APPROX. LENGTH	FLAT STEEL STRAP
2690 K	7	24"	2" x .050



TIRE CHAIN TOOLS

390MLK LINKMASTER®

Spreads tire chain cross links and closes them. Long handles make repairs quickly, easily, even from a standing position.



390MLK LINKMASTER®ALL STEEL HANDLES, HEAT TREATED ALLOY STEEL JAWS

CAPACITIES UP TO...

TOOL NUMBER	APPROX. WEIGHT LBS.	APPROX. LENGTH	CAPACITY TO OPEN OR CLOSE LINKS OF WIRE SIZE
390 MLK	7	30"	Up to ¹³ / ₃₂ " diameter







TO OPEN LINK

TO CLOSE LINK

1390L LINKSEM®

Opens and closes tire chain cross links. Strong and rugged yet light weight for on-the-road repairs. Individually packaged with instructions.



1390L LINKSEM

CAPACITIES UP TO...

TOOL NUMBER	APPROX. WEIGHT LBS.	APPROX. LENGTH	DIAMETER OF LINKS
1390 L	11/8	13"	5/16"



TO OPEN LINK

TO CLOSE LINK

690L LINKFIX®

Opens and closes tire chain cross links on the tire. Saves hours of foolin' and fumblin'. Fits glove compartment—Individually packaged with instructions.



690L LINKFIX

TOOL NUMBER	APPROX. WEIGHT LBS.	APPROX. LENGTH	FOR ALL PASSENGER CAR TIRE CHAINS
690 L	1/4	63/8"	



DEN LINK TO CLOSE I

TO OPEN LINK

TO CLOSE LINK

MISCELLANEOUS HAND TOOLS

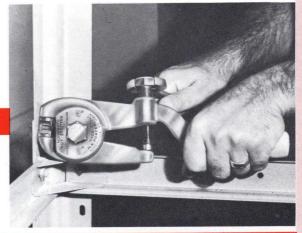


1390PO NUT SPLITTER

To remove rusted or frozen nuts fast, this tool splits both sides in one operation without injury to bolt. Easy to operate-place across nut with blades in position-turn power screw with impact or hand wrench—nut splits free.

1390PQ NUT SPLITTER

TOOL NUMBER	CAPACITY	LENGTH	WEIGHT LBS.
1390 PQ	Cuts nuts up to ³ / ₄ " across flats	113/4"	31/8



690 M IMPAKDRIVER



A fast way to loosen or tighten nuts, bolts, screws or other fasteners with a hammer blow.

67M SET CONTAINS

1 690M IMPAKDRIVER WITH %" DRIVE

1 650BS ½" STRAIGHT BIT



1 637BS ¾" STRAIGHT BIT



1 620BP NO. 2 PHILLIPS BIT



1 640BP NO. 4 PHILLIPS BIT



1 6435 1/16" HEX SOCKET



1 650S 1/2" HEX SOCKET

1 656S 9/16"

64M SET



64M SET CONTAINS

690M IMPAKDRIVER 685BH, 650BS, 637BS, 620BP and 640BP screwdriver bits . . . but without sockets (643S, 650S, 656S)

NOTE: IMPAKDRIVER ALSO AVAIL-ABLE WITH 1/2" SQUARE DRIVE-WITH SPECIAL ADAPTER CAN BE USED WITH BITS SHOWN BUT CANNOT BE USED WITH 3/8" DRIVE SOCKETS SHOWN.

TOOL NUMBER	LENGTH	WEIGHT LBS.							
690M	43/4"	11/8							
67M SET	_	113/16							
64M SET	_	17/16							

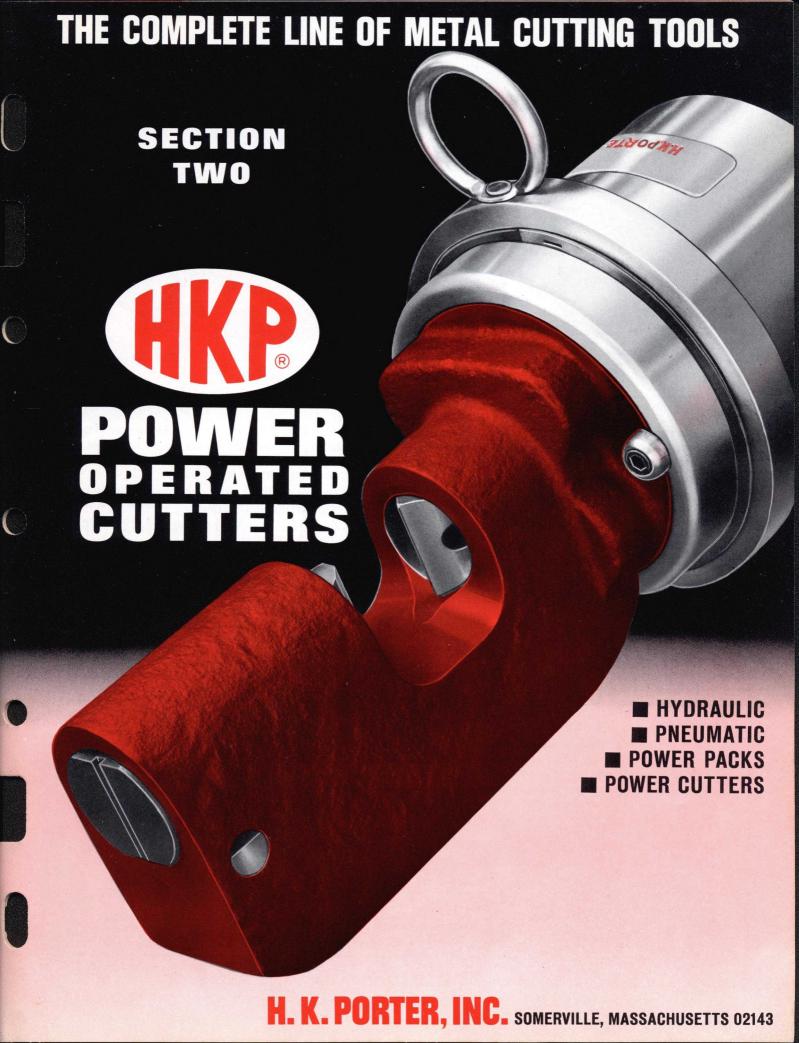
LEADERSHIP in TOOLS for INDUSTRY for over 87 YEARS!



INDUSTRIAL PURCHASERS AGREE ON



The complete line of HKP Hand operated and Power operated Cutting Tools and Power Packs covered in this catalog incorporate an exceptional degree of dependability, a reputation earned by the severe field testing these tools have received in the many markets served by H. K. Porter, Inc. . . . for over 87 years. ■ The broad engineering and manufacturing experience that has contributed to the excellence of HKP Products is also available for development of special cutting tools and hydraulic, pneumatic or electrically operated power packs. ■ We welcome inquiries and guarantee they will meet with prompt, courteous, expert attention.





HAND HYDRAULIC POWER CUTTERS



This portable unit with its many remote-control possibilities may be converted by changing cutter heads in seconds to cut practically any metal, wire, cable with speed and efficiency.

Cutter head is powered by hand hydraulic pump forcing fluid through high pressure hose to ram as-

sembly. Moderate hand pumping pressure converts to 25,000 lbs. pressure on cutting edges of blades. Complete 1790 units include cutterhead, ram assembly, coupling, handle, hose, pump.

ALL 1770 ASSEMBLIES ARE INTERCHANGEABLE ON BU-830 HYDRAULIC PUMP.

CENTER CUT-FOR SOFT OR MEDIUM HARD METALS

1790CD

*CAPACITIES UP TO...

TOOL	APPROX. WEIGHT	STEEL MEDIUM HARD IRON FORCING		BOLTS, RIVETS, WIRE		HARD WIRE	TEMPERED SPRING				
NUMBER	NUMBER LBS.	FERROUS MATERIALS	RROUS STEEL	STEEL	IKON	ROD	SOFT	HARD	STEEL	ROPE	WIRE
1790 CD†	381/2	3/4"	5/8"	1/2"	5/8"	5/8"	5/8"	1/2"	5/8"	Do Not Cut	1/2"
1770CD	19	Compl	ete Cutter	Head (171	3CD) and	Piston Asse	mbly (174	4) for use	with BU-830	Hydraulic Pum	р
1713 CD	8	Cutter Head only.									

*BRINELL 300, ROCKWELL C31 HARDNESS †Complete Unit

This is a hard metal cutter with a new SWING-AWAY keeper recommended for cutting guy wire (galvanized steel strand), prestressed cable and ACSR cable. The keeper prevents cable from spreading and deforming and insures clean, complete cutting of all strands. Also cuts bolts, rod, wire, etc.



HARD METAL with KEEPER FOR GUY WIRE, PRESTRESSED,

1790 MCK

ALLIEUT ED	-		USE KEEPER			HARD STEEL	REIN- FORCING ROD	BOLTS, RIVETS, SCREWS, WIRE	STAINLESS STEEL	TEMPERED SPRING WIRE
	APPROX. GUY WIRE (Galv. Steel Strand)	,	E PRE- STRESSED CABLE	ACSR CABLE	MEDIUM STEEL					
					2			HARD		
1790MCK†	39	1/2"	1/2"	1/2"	5/8"	1/2"	5/8"	1/2"	5/8"	1/2"
1770MCK	191/2	Complete Cutter Head (1713MCK) and Piston Assembly (1744) for use with BU-830 Hydraulic Pu						Pump		
1713MCK	81/2	Cutter Head only.								





1790TN

SHEAR TYPE-FOR SOFT AND MEDIUM HARD GUY WIRE, WIRE ROPE, CABLE

*CAPACITIES UP TO...

TOOL Number	APPROX. WEIGHT LBS.	GUY WIRE (Not high strength)	PRE- STRESSED CABLE	ACSR CABLE	COPPER CABLE	ALL- ALUMINUM CABLE	LEAD- COVERED CABLE	RUBBER- COVERED CABLE	WIRE ROPE
1790 TN†	34	3/4"	Do Not Cut	Do Not Cut	3/4"	3/4"	3/4"	3/4"	3/4"
1770 TN	15	Complete	Complete Cutter Head (1713 TN) and Piston Assembly (1744) for use with BU-830 Hydraulic Pump						
1713 TN	4	Cutter Head only.							

^{*}BRINELL 300, ROCKWELL C31 HARDNESS †Complete Unit

179087 2" Capacity

179089 3" Capacity

SHEAR TYPE—FOR SOFT CABLE—Not for use on ACSR Cables

*CAPACITIES UP TO...

TOOL NUMBER	APPROX. WEIGHT LBS.	CAPACITY	COPPER AND ALUMINUM COMMUNICATION AND POWER CABLE
179087†	35		2"
179089†	35		3"
177087	13¾"	2"	Complete Cutter Head (8713) and Piston Assembly (1745) for use with BU-830 Hydraulic Pump
177089	151/2"	3″	Complete Cutter Head (8913) and Piston Assembly (1745) for use with BU-830 Hydraulic Pump
8713	23/4"	2"	Cutter Head only.
8913	41/2"	3"	Cutter Head only.

†Complete Unit

1790 PQ

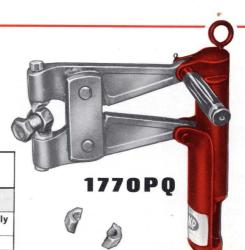
CUTS RUSTED, FROZEN, CORRODED NUTS UP TO 17/8" ACROSS FLATS

NUT SPLITTER HEAD

CAPACITIES UP TO...

TOOL NUMBER	APPROX. WEIGHT LBS.	SOFT STEEL NUTS	HARD STEEL NUTS				
1790 PQ†	49	1% INCHES ACROSS FLATS	Do Not Cut				
1770 PQ	29	Complete Cutter Head (1713 PQ) and Piston Assembly (1745) for use with BU-830 Hydraulic Pump.					
1713 PQ	18	Cutter Head only.					





177089

^{*}BRINELL 200, ROCKWELL C15 HARDNESS

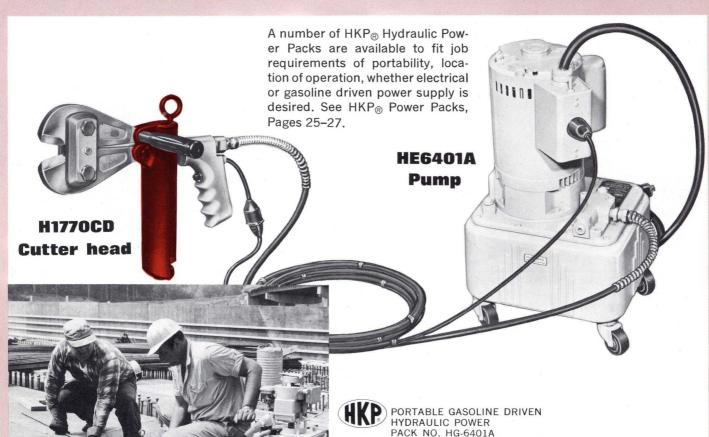


OPERATING H1700 and 1713CD

ON CONSTRUCTION SITE.

CUTTER HEAD—CUTTING 34" REINFORCING ROD

POWER OPERATED CUTTERS and POWER PACKS



When used with HKP power packs and hose, the following Cutter Head assemblies are recommended for fast or multiple cutting of:—

MEDIUM HARD STEEL THROUGH 5/8" SOFT STEEL THROUGH 3/4" WIRE ROPE & CABLE THROUGH 3/4" POWER, COMMUNICATIONS CABLE THROUGH 3"

H1770CD Assembly

Cutters have convenient pistol grip and holding handle to reduce fatigue. Positive-acting, push button insures safe, hydraulic cutting actuation.



CENTER CUT-FOR SOFT OR MEDIUM HARD METALS

TOOL NUMBER	APPROX. WEIGHT	SOFT STEEL & NON-	MEDIUM	HARD	IRON	REINFORC-	BOLTS,	RIVETS,	STAIN- LESS	HARD WIRE	TEMPERED SPRING
	LBS.	FERROUS MATERIALS	STEEL	STEEL		ING ROD	SOFT	HARD	STEEL	ROPE	WIRE
H1770CD	22	3/4"	5/8"	1/2"	3/4"	3/4"	3/4"	1/2"	3/4"	Do Not Cut	1/2"
H 1700	14	Hydrau	Hydraulic Cylinder Assembly (1754), and Pistol Grip (10824) without Cutter Head.								
1713 CD	8		Cutter Head only.								



H1770TN Assembly

SHEAR TYPE-FOR SOFT AND MEDIUM HARD GUY WIRE, WIRE ROPE, CABLE

*CAPACITIES UP TO...

TOOL NUMBER	APPROX. WEIGHT LBS.	GUY WIRE (Not high strength)	PRESTRESSED CABLE	ACSR CABLE	COPPER CABLE	ALL- ALUMINUM CABLE	LEAD- COVERED CABLE	RUBBER- COVERED CABLE	WIRE ROPE
H 1770 TN	18	3/4"	Do Not Cut	Do Not Cut	3/4"	3/4"	3/4"	3/4"	3/4"
H 1700	14		Hydraulic Cylinder Assembly (1754) and Pistol Grip (10824) without Cutter Head. Cutter Head only.						
1713 TN	4								

^{*}BRINELL 300, ROCKWELL C31 HARDNESS

H177087 2" Capacity H177089 3" Capacity

SHEAR TYPE—FOR SOFT CABLE—Not for use on ACSR Cables

CAPACITIES UP TO . . .

TOOL NUMBER	APPROX. WEIGHT LBS.	COPPER AND ALUMINUM POWER AND COMMUNICATION CABLE
H 177087	163/4	2" dia.
H 177089	181/2	3" dia.
H 1701	14	Hydraulic Cylinder Assembly (1755) and Pistol Grip (10824) without Cutterhead
8713	23/4	2" Cap. Cutterhead only
8913	41/2	3" Cap. Cutterhead Only

H1770PQ

Cuts Rusted, Frozen, Corroded Nuts up to 1\%" Across Flats

NUT SPLITTER HEAD

	• •	
APPROX. WEIGHT LBS.	SOFT STEEL NUTS	HARD STEEL NUTS
32	1%" Across Flats	Do Not Cut
14	Hydraulic Cylinder Assembly (1755) and	Pistol Grip (10824) without Cutterhead
18	Cutterhead Only	
	WEIGHT LBS. 32 14	APPROX. WEIGHT LBS. 32 1½" Across Flats 14 Hydraulic Cylinder Assembly (1755) and



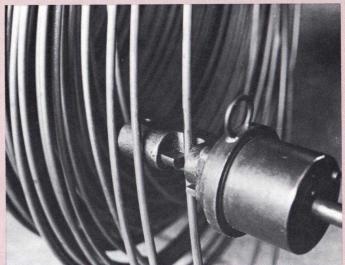


ONE HOSE HYDRAULIC ROD and BAR CUTTERS

A complete line of Hydraulic cutters designed to operate from any HKP® Power Source. See Power Packs, Pages 25–27.

EXCLUSIVE FEATURES:-

ONE HOSE CONNECTION COMPACT, LIGHTWEIGHT, PORTABLE LONGER CUTTING BLADES FOOLPROOF FINGERTIP CONTROL 360° CUTTING RANGE IN ALL PLANES PATENTED FILTER AIR BREATHER LARGER CYLINDER AREA



STEEL MILL PRODUCTION APPLICATION OF H-118 CUTTER HEAD WITH BLADES FOR SQUARE CUTTING and HKP POWER PACK, FAST, MULTIPLE CUTTING OF HARD STEEL WIRE.

H75

*CAPACITIES UP TO...

			10111		
MODEL NUMBER	RATED THRUST TONS	APPROX. WEIGHT IN LBS.	DIMENSIONS	SQUARE LOW-CARBON STEEL or ROUND HIGH-CARBON STEEL	
H-75	121/2	17	31/4" x 4" x 133/4"	3/4"	

*BRINELL 400, ROCKWELL C42 HARDNESS



H118

*CAPACITIES UP TO...

MODEL NUMBER	RATED THRUST TONS	APPROX. WEIGHT IN LBS.	DIMENSIONS	SQUARE LOW-CARBON STEEL or ROUND HIGH or LOW-CARBON STEEL
H-118	35	40	5" x 51/4" x 18"	11/8"

*BRINELL 400, ROCKWELL C42 HARDNESS



H138

*CAPACITIES UP TO...

MODEL NUMBER	RATED THRUST TONS	APPROX. WEIGHT IN LBS.	DIMENSIONS	SQUARE or ROUND HIGH-CARBON STEEL
H-138	70	105	6½" x 8½" x 21½"	13/8"

*BRINELL 400, ROCKWELL C42 HARDNESS





HYDRAULIC SPECIAL TOOLS POWER UNITS

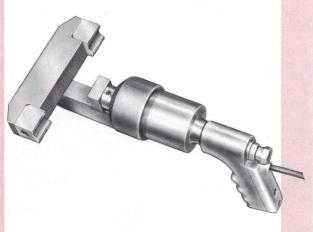
HRC-118 HYDRAULIC WIRE ROPE CUTTER

For production cutting of Wire Rope and Cable. This Cutter head has a capacity of 11/8" diameter and loads from front end allowing quick cuts at any point along wire rope or cable. Special larger size heads available on request. May be used with any of the H.K.P. Hydraulic Power Sources shown on pages 25-27. Weight 22 lbs.



HYDRAULIC ROD STRAIGHTENER

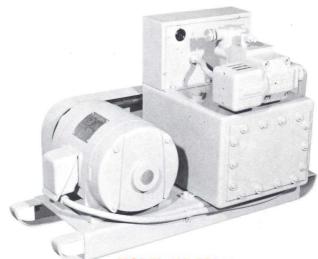
A portable, hydraulic rod, bar and wire straightener. This tool has a capacity of up to 11/4" and may be used with any of the HKP® Hydraulic Power Sources shown on Pages 25-27. Weight 14 lbs.



HYDRAULIC

PORTABLE SELF-CONTAINED POWER PACKS FOR DRIVING (HKP) CUTTER HEADS. **AUTOMATIC MACHINERY AND OTHER** PORTABLE TOOLS

These rugged, dependable power sources supply hydraulic power to operate HKP® Cutters. They are also used for hundreds of auxiliary, permanent and portable applications on shipboard, airborne or for conventional manufacturing processesbending, crimping, punching, pulling, pushing, spreading, pressing, etc. Special application Power Packs can be supplied on request.



MODEL HE-5301A

A rugged, compact one hose 5 HP hydraulic pump unit built for maximum speed and efficiency.

MODEL HE-5302A

This model same as HE-5301A except that it is equipped with double solenoid valve and dual hose outlets to operate 2 workheads independently but not simultaneously.

MODEL HE-5303A

This model same as HE-5301A except that it is equipped with triple solenoid valve and three hose outlets to operate 3 hydraulic hoses independently but not simultaneously.

SPECIFICATIONS

Maximum Intermittent Operating Pressure 6500 P.S.I.
Volume, Hydraulic Fluid Pumped3.5 C.P.M.
Standard Motor* 220, 440 or 550 Volt,
3 Phase 60 Cycle Ball Bearings, General Purpose
Weight
Floor Area
Standard across-the-line starter-thermal overload protection
adjustable relief valve for precise power selection. Reservoir-
type oil filter-replaceable cartridge-control relay-12 volt
remote-control circuit

*Special motors available at extra cost.



HYDRAULIC POWER PACKS

These HKP Power Packs are precision-built, two stage hydraulic pumping units. They are quiet, compact, portable and dependable. Off-the-shelf units with pre-engineered versatility. A motor or engine drives the gear pump, the shaft of the large gear is connected to and drives the wobble plate of the piston pump. Oil from the gear pump supercharges the piston pump insuring contact of the pistons with the wobble plate without the use of springs. The HKP Power Pack is available in standard models with electrical, gasoline or air hydraulic operation.



MODEL HE-6401A **ELECTRICALLY OPERATED** HYDRAULIC PUMP

This self-contained HKP Power Pack operates at 1 HP on 110V, 1 ph, 60 cycles. An automatic valve and remote control circuit operates single action spring-return cylinders. This unit will not hold pressure as motor runs, only when pumping action is required.

Entire compact-portable unit is mounted on swivel casters.

MODEL HE-6402B (Not Shown)

This unit is the same as MODEL HE-6401A except that it is equipped with 1 HP, 220 V, 1 ph, 60 cycle motor. A 110 V magnetic starter, control transformer and manual 4-way valve operates 2 hydraulic workheads independently but not simultaneously.

MODEL HE-6406C (Not Shown)

This model is the same as MODEL HE-6401A except that it is equipped with 1 HP, 440 V, 3 ph, 60 cycle motor, A 110 V control transformer with a double solenoid valve manifold mounted for remote control operation of 2 hydraulic workheads independently but not simultaneously. 5000 psi. max. operating pressure.

(Note: Other variations of HE6400 Series Pumps available)

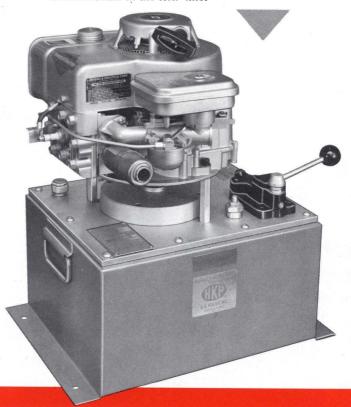


MODEL HA-6401A AIR MOTOR OPERATED HYDRAULIC POWER PACK

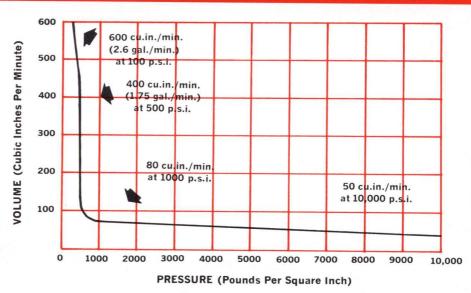
This HKP Power Pack operates on 60-90 psi with 2 HP vane type air motor and integral filter, lubrication and regulator assembly. Choice of 2 or 4 way valving, built-in safety relief valve and adjustable pressure relief valve.

MODEL HG-6401A GASOLINE ENGINE OPERATED HYDRAULIC POWER PACK

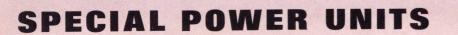
This HKP Power Pack is equipped with 3 HP, 4 cycle Briggs & Stratton Gasoline Engine and a two way manual control valve. The unlimited portability of this unit makes it one of the most versatile in the HKP line.













Hydraulic "C" frame tools for pinching-off and severing copper tubing of $\frac{1}{2}$ " x $\frac{1}{32}$ " and $\frac{3}{4}$ " x $\frac{1}{32}$ " OFHC copper. Operates with hand hydraulic pump shown on page 20 or electric hydraulic pump HE6401A page 26.

CABLE CUTTER

Model HE-6300 pump and 3" capacity Cutter for cutting Copper and Aluminum cable (not ACSR) mounted on mobile unit. For operator safety remote control operation requires that both push buttons on the control handles be depressed before cutter blades will start the cutting operation.

MOBILE WORK STATION CUTTER

Unit is equipped with two stationary and two swivel, heavy-duty, rubber-tired casters includes a swivel hook, handle and eyelet on which to hang cutter head when not in use. Unit incorporates maximum mobility, using a minimum amount of floor space.

HOT WORK CUTTER

with Extension Arm, Model H-118 cutterhead with handle extension for use where hot cutting is a requirement.

H. K. PORTER, INC.

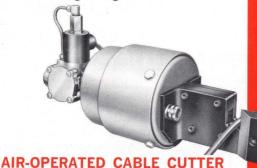
SOMERVILLE . 43 . MASS





MOBILE HYDRAULIC ROD AND BAR CUTTER

Combination unit that incorporates a hydraulic power-driven pump and a cutter head suspended on a spring-type balancer. For in-plant or on-the-job work, unit may be powered by either an electric motor or gas engine.



Air-powered (80-100 P.S.I.) cable cutter for cutting Copper and Aluminum power cable up to and including size 4/0. Extremely fast for production cutting.

ACCESSORIES



SPRING TYPE BALANCER

Hangs overhead with work head suspended by means of steel cable. Unit can be adjusted easily to balance weight of cutter head and permit up and down movement.

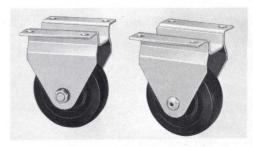
HYDRAULIC HOSE and CONTROL WIRE

#119580-Standard 15' length. Available in any length desired. (50 feet maximum in single piece in 5' increments.)



RUBBER TIRED WHEELS

Heavy Duty. Swivel or Stationary.



SWIVEL DISCONNECT COUPLINGS

For ease in positioning work head.





COLD WEATHER OPERATION

Medium low temperature oil is supplied as standard in HKP Power Hydraulic Units (pour point, 25°F). When units are operated below 20°F, drain and replace oil with extreme low temperature hydraulic oil (Texamatic Fluid or Shell Tellus 15).



PNEUMATIC CUTTER

5 TYPES OF CUTTER

This is the lightest, fastest and most economical cutting tool for cutting metals or plastics through 3/8".

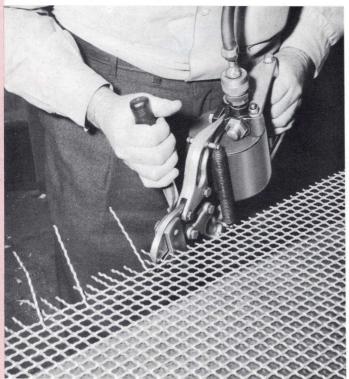






LIGHT IN WEIGHT FAST OPERATING **PORTABLE**

REQUIRES ONLY 80-120 P.S.I. FINGER PRESSURE CONTROL NO EXHAUST SHOCK REMOTE CONTROL OPTION CHOICE OF CUTTER HEADS **MAXIMUM VERSATILITY**



A COMPLETE SELECTION OF CUTTER HEADS -**VERSATILITY PLUS...**





CENTER CUT-FOR SOFT OR MEDIUM HARD METALS

TOOL	APPROX. WEIGHT	SOFT STEEL & NON-	MEDIUM STEEL	HARD STEEL	IRON	REIN- FORCING	BOLTS, RIVETS, IRON WIRE		STAINLESS STEEL	HARD WIRE	TEMPERED SPRING
NUMBER	IN LBS.	FERROUS MATERIALS	*	SIEEL		ROD	SOFT	HARD	SIEEL	ROPE	WIRE
9190 C	11	3/8"	3/8"	Do Not Cut	3/8"	Do Not Cut	3/8"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut





CENTER CUT, ROUND EDGE-FOR HARD METALS

*CAPACITIES UP TO...

TOOL NUMBER	APPROX. WEIGHT	SOFT STEEL & NON-	MEDIUM STEEL	HARD STEEL	IRON	REIN- FORCING	BOLTS, RIVETS, IRON WIRE		STAINLESS	HARD WIRE	TEMPERED SPRING
11.7	IN LBS.	FERROUS MATERIALS		*		ROD	SOFT	HARD	STEEL	ROPE	WIRE
9190 CR	11	Do Not Cut	5/16"	5/16"	5/16"	5/16"	Do Not Cut	5/16"	5/16"	Do Not Cut	5/16"

^{*}BRINELL 400, ROCKWELL C42 HARDNESS





END CUT-FOR FLUSH CUTTING SOFT METALS

*CAPACITIES UP TO...

TOOL NUMBER	APPROX. WEIGHT	SOFT STEEL & NON-	MEDIUM STEEL	HARD STEEL	IRON	REIN- FORCING		S, RIVETS, N WIRE	STAINLESS	HARD WIRE	TEMPERED SPRING
	IN LBS.	FERROUS MATERIALS		SILLL		ROD	SOFT	HARD	STEEL	ROPE	WIRE
9190 E	11	3/8"	Do Not Cut	Do Not Cut	3/8"	Do Not Cut	3/8"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut

^{*}BRINELL 200, ROCKWELL C15 HARDNESS





ANGULAR CUT-FOR SOFT METALS

*CAPACITIES UP TO...

TOOL NUMBER	APPROX. WEIGHT IN LBS.	SOFT STEEL & NON- FERROUS	MEDIUM Steel	HARD STEEL	IRON	REIN- FORCING		S, RIVETS, N WIRE	STAINLESS STEEL	WIRE	TEMPERED SPRING
	IN LDS.	MATERIALS				ROD	SOFT	HARD		ROPE	WIRE
9190 A	11	3/8"	Do Not Cut	Do Not Cut	3/8"	Do Not Cut	3/8"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut

^{*}BRINELL 200, ROCKWELL C15 HARDNESS





SIDE CUT-FOR CLOSE CUTTING SOFT METALS

TOOL NUMBER	APPROX. WEIGHT	SOFT STEEL & NON-	MEDIUM STEEL	HARD STEEL	IRON	REIN- FORCING	BOLTS, RIVETS, IRON WIRE		STAINLESS	HARD WIRE	TEMPERED SPRING
" o use the second	IN LBS.	FERROUS MATERIALS		STEEL		ROD	SOFT	HARD	STEEL	ROPE	WIRE
9190 NE	11	3/8"	Do Not Cut	Do Not Cut	3/8"	Do Not Cut	3/8"	Do Not Cut	Do Not Cut	Do Not Cut	Do Not Cut

^{*}BRINELL 200, ROCKWELL C15 HARDNESS



ENGINEERING AND SERVICE INFORMATION

If cutting tool failure, nicked or broken cutter jaws, loose bolts or other cutting tool malfunctions are dogging your profit picture, chances are you are using the wrong cutting tool-or you are using your cutting tool the wrong way.

To eliminate these problems proper selection and proper use are the two most important factors to consider when buying metal-cutting

SELECTION

First of all, select the type of tool designed to cut the metal or materials your requirements call for. The CUTTING TOOL SELECTOR section of this catalog will aid in specifying the proper tool to fit your needs. Brinell and Rockwell C Hardness ratings, listed for each tool,

will give the correct metal-cutting capacities. Please do not exceed rated capacities.



There is an HKP® Cutting Tool-Hand, Hydraulic or Pneumatic-to fit virtually all cutting or shearing requirements. They provide fast, efficient cutting of bolts, rods, rivets, screws, bars, cable, wire, chain, wire rope, steel strapping and perform hundreds of other cutting jobs on hard, medium-hard or soft metals, plastics or other materials.



And, because they are safer and eliminate the need for laborious, time-consuming cutting with hacksaws-hammer and chisel-or torches-HKP® Cutting Tools effect greater operating economies on production cutting jobs or for occasional cutting problems.

There are three basic cutting tool jaw designs. For ease of identification, they

CLIPPER CUT-for close or flush cuts on soft metal only. This cutter allows flush, clean

cuts without distortion. However, because it has only one bevel, it is the cutter most likely to fail under misuse-such as twisting, prying, or using for materials other than those specified.

CENTER CUT—For general purpose cuts, this is the most efficient tool. The two beveled edges combine to form

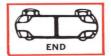
strong wedging action, and actually force the metal apart into two pieces.

ROUND EDGE—Primarily for harder materials, blades of this cutter have slightly rounded edges—with a radius

on each jaw-which delivers a "crushing" action. This cutter cuts through hard material before the jaws actually meet. Round edges give longer jaw life.

Other standard cutting tools include Angular Cut, End Cut, and Shear Cut in addition to a variety of special cutting tools described and illustrated in the Special Tools section of this book.









USE AND ABUSE

To get the best possible performance and longest cutting life out of the tool you select, there are certain "DO'S" and "DON'TS" that must be observed.



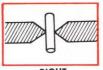
with edges slightly apart for easier cutting. Cut with the piece all the way back in the cutter iaws. This will make

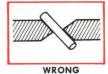
Do adjust tools for cutting hard stock,

the cutting action easier and prolong the life of the tool.

CAUTION! When cutting hard materials, make sure no one is standing near the metal in the cutter. Hard materials may snap off when cut. Small flying pieces can be dangerous.

- DO keep cutter jaws at right angles to the piece being cut.
- DO keep bolts tight, to prevent edges overlapping and breaking.
- DO lubricate all moving parts occasionally.
- DO maintain the same angle as in the original bevels when sharpening.



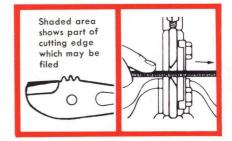


RIGHT

- DON'T cut diagonally. This may twist the jaws out of line or chip the cutting edges.
- . DON'T twist or pry with the tool while cutting.
- DON'T file the cutting edges too sharp. Leave the edge approximately 1/64" wide, for added jaw life.
- DON'T take a full cut on a metal when the hardness is unknown. Instead, test with a slow pressure. Then, check to see if the material is being cut. This will save dented blades. Rememberthe size of the stock to be cut is not as important as its hardness.
- DON'T exceed cutter capacity marked on the jaws of the tool.

HOW TO SHARPEN CUTTER JAWS:

It is normally possible to sharpen cutter jaws without taking cutterhead apart. Keep file blade flat against bevel when filing to maintain original blade angle. Clipper Cut and Center Cut jaws are not intended to be razor sharp. Leave about 1/64" flat to form strong, durable edge.



CENTER CUT

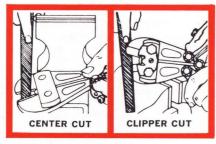
- (1) Remove nicks in blades by filing straight across cutting edges.
- (2) File equal amount from each bevel, keeping file flat against bevels.
- (3) Leave 1/64" flat on each cutting edge.
- (4) Adjust tool per instructions on page



ENGINEERING AND SERVICE INFORMATION

(CONTINUED)

HOW TO SHARPEN CUTTER JAWS (continued)

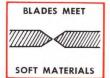


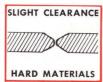
CLIPPER CUT

- (1) Restore small bevel with file
- (2) File large bevel in same manner as Center Cut.
- (3) Adjust tool per instructions below.

HOW TO ADJUST THE CUTTER JAWS

A tool that is not properly adjusted will not make clean cuts, will make cutting difficult, and is liable to damage the jaws. For instance, on hard materials the tool will cut easier if the jaws do not meet completely in the closed position. On soft materials, blades will give smooth, shearing type cut if they meet but do not exert force on each other.





The illustration below shows handle adjustment is most efficient if the three toggle bolts are in line when the jaws are closed.



Following are adjustment instructions for Clipper Cut, Clipper Cut—Round Edged, Center Cut, Center Cut—Round Edged, Angular and End Cut Tools:

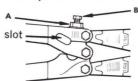
LESS POWER



1. IF THE JAW EDGES
ARE TOO FAR APART
WITH THE HANDLES
CLOSED, loosen adjusting screw locknut
"A," and tighten adjusting screw "B."
See diagram below.
This will bring the cutting edges together.



ting edges together. Cutting edges should be 164" apart (the thickness of a piece of paper) for best jaw life. Next, tighten locknut "A," making sure adjusting screw "B" does not turn. Oil all joints.

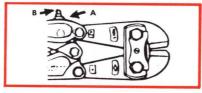


2. IF THE JAW EDGES ARE TOO CLOSE TOGETHER WITH THE HANDLES APART, loosen adjusting screw locknut "A," and loosen adjusting screw "B" until it disappears from the narrow slot in the left handle. Make a cut with the tool in this position, and it will force the narrow slot inward. Next, try to close the handles. If they close completely, and jaw edges are 1/64" apart, tighten adjusting screw "B" until it meets the handle on the far side of the slot. Then, tighten locknut "B" firmly. Oil all joints.

If jaws are too far apart with the handles closed, after making cut with screw and nut backed off, adjust jaws as in Adjustment 1.

ADJUSTMENT FOR NO. 590 SERIES:

 IF THE JAW EDGES ARE TOO FAR APART WITH THE HANDLES CLOSED, loosen nut "A" and tighten bolt "B" until cutting edges are approximately .003" apart. Next, tighten nut "A" taking care not to move bolt "B."

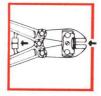


2. IF THE JAW EDGES ARE TOO CLOSE TOGETHER WITH THE HANDLES APART, loosen nut "A," unscrew bolt "B" until approximately 1/8 of its tip extends into the slot. Adjusting slot now can be "sprung in" by starting a

cut on approximately 3%" diameter steel rod. Close the handles until the adjusting slot is closed in enough so that the handles can be closed without bringing the cutting edges together. With the handles closed, tighten bolt "B" until the cutting edges are approximately 364" apart. Next, tighten nut "A," taking care not to move bolt "B". Oil all joints.

ADJUSTMENT FOR NO. 1290NE AND NO. 1590C CUTTERS:

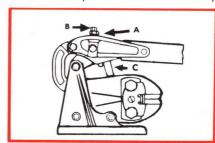
IF THERE IS TOO MUCH SPACE BETWEEN THE CUTTING EDGES BECAUSE OF WEAR, lightly file an equal amount from both metal stops between handles, until cutting edges meet. Replace bumpers on No. 1290NE.





ADJUSTMENT FOR BENCH CUTTERS:

For normal use, bumper "C" should rest on the back of top jaw when jaws are fully closed. **Adjustment:** FOR SMALL SOFT WIRE AND SMALL SIZES OF FLAT WIRE, (1) loosen nut "A" and tighten bolt "B" until there is a gap of 3/4" to 3/4" between bumper "C" and back of top



jaws; (2) tighten "A" and see if "B" can be tightened more. TO CORRECT FOR WEAR OF CUTTING EDGES, (1) loosen "A;" (2) tighten "B" until cutting edges meet; (3) tighten "A," and check "B" for security. When cutting, avoid side pressure. (The No. 7190 Bench Cutter is adjusted as if it were **one** of the handles of the two-hand cutters shown previously.) Oil all joints.

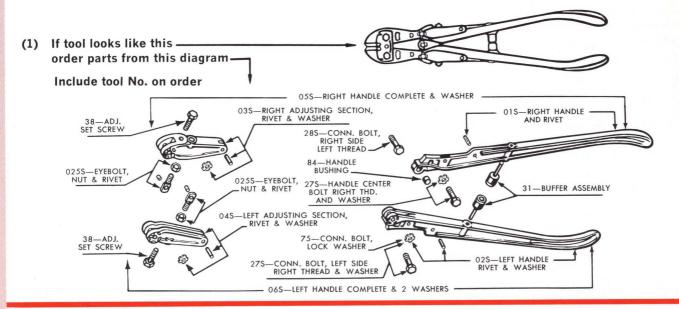
ADJUSTMENT FOR 690 HANDKLIP CUTTERS:

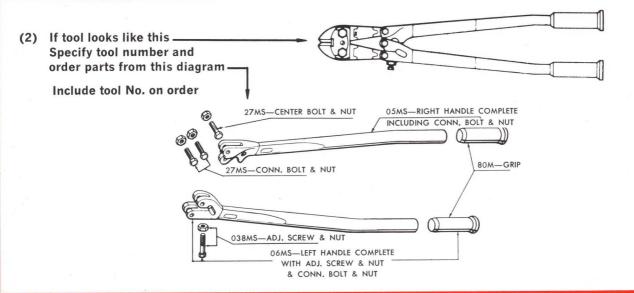
Adjusting screw is within groove of handle nearest the cutting jaws. To bring cutting jaws together, turn screw counter-clockwise. To move cutting edges further apart, turn screw clockwise.

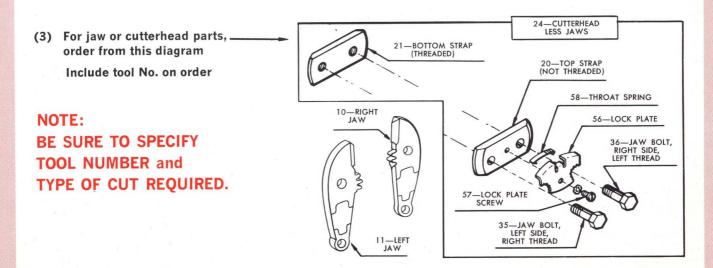


(CONTINUED)

TO ORDER REPLACEMENT PARTS





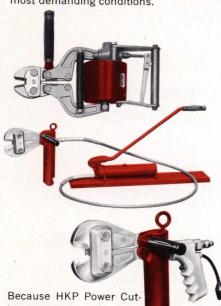




ENGINEERING AND SERVICE INFORMATION

(CONTINUED)

For volume production cutting on construction, utility and a broad range of other high-usage applications, HKP Hydraulic and Pneumatic Cutters are built to cut efficiently and last long under the most demanding conditions.



Because HKP Power Cutters are automatic—even though actuated by hand pressure on a push button

—they require different operating norms than hand cutters.

For example, in cutting extremely hard materials **by hand**, pressure tests can be run, if the hardness of the material to be cut is unknown. Partial, or light-pressure, cuts can be taken to determine the capacity of the cutter jaws in order to avoid denting or breakage.

HARDNESS TABLE

	BRINELL	ROCK- WELL C	BRINELL	ROCK- WELL C	
HARD	442	47	294	31	MED.
1	432	46	286	30	1
1	421	45	279	29	1
	409	44	. 271	28	
	400	43	264	27	
	390	42	258	26	
	381	41	253	25	
	371	40	247	24	
	362	39	243	23	
8 1	353	38	237	22	
	344	37	231	21	
	336	36	226	20	
	327	35	219	18	
1	319	34	212	16	
1	311	33	203	14	Y
MED.	301	32	194	12	SOFT

However, with a hydraulic or pneumatic cutter—that actuates instantly under push-button contact—knowledge of metal hardness and cutting tool capacity must be complete and precise, in order to prevent damage to the tool.

ADVANTAGES

The advantages of Power Cutting Tools are many. Power cutters eliminate operator fatigue. Power Cutters are versatile • Power Cutters give uniform production results • Power Cutters save time • Power Cutters can be used in confined areas • Power Cutters make possible easy portable cutting—even on very demanding materials • Power Cutters are faster and more economical than any other method • Power Cutters are safer.

HKP POWER HYDRAULIC CUTTERS

Where multiple or frequent cutting of a wide variety of hard or soft metals or materials is required—on outside construction sites, multi-unit building installations, for utilities, steel and wire mill applications, heavy industrial requirements and under other conditions demanding high-volume, heavy-duty service—HKP Power Hydraulic Cutters deliver superior performance.



With the same cutterheads used on hand cutters to cover a broad range of soft—or hard-metal cutting capacities, the HKP line offers optimum cutting efficiency, rugged construction features, maximum versatility and resulting operating economies.

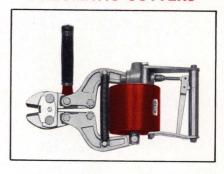
DESIGN FEATURES

HKP design features are the result of years of research and developmental testing. For instance, convenient pistol-grip and hold-



ing handle—plus well-balanced weight—are designed for working comfort to reduce operator fatigue. Positive-acting push-button pistol grip controls hydraulic cutting action, assures fast, efficient cutting on a wide range of materials.

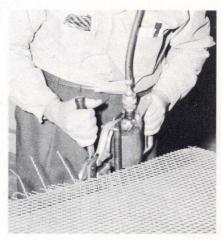
PNEUMATIC CUTTERS



Lightweight, fast operating and easily positioned—HKP Power Pneumatic Cutters can be carried to any location . . . may be bench—or floor-mounted, and operated by remote control.

MINIMUM AIR INPUT-MAXIMUM CUTTING POWER

HKP Pneumatic Cutters deliver tons of cutting power on virtually any cutting application—yet require only 80-120 P.S.I. air supply. Because of their compact portability, they are ideal for use on construction and utility installations, and other demanding industrial requirements. Functional design makes them easy to handle, easy to use. Adjustable handle allows multi-position holding. Spring-controlled piston speeds up cutting operations. Finger pressure valve control provides positive, effortless cutting.



FIVE WORKHEADS

Outstanding engineering features give them additional flexibility. Short piston stroke permits use in confined areas. Five separate cutting heads provide HKP Pneumatic Cutters with an exceptionally wide range of cutting abilities on practically all metals and materials.

ENGINEERING AND SERVICE INFORMATION

HKP

(CONTINUED)



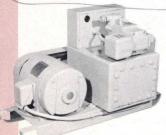
HKP Hand Hydraulic Cutters are handactuated—or, more accurately—handpumped tools that cut under hydraulic power. In any installation where there is not the need for high-speed push-button action—but where workloads and applications demand more power or more speed than a manual cutter—these tools are ideal.

ENGINEERING FEATURES

These Hand Hydraulic Cutters, like other HKP Power Tools, operate on an independent, self-contained power source. Remote control provides quick, safe and easy cutting. Hand actuated hydraulic pump forces hydraulic fluid through high pressure hose to deliver 25,000 lbs. pressure to the cutting edges of the blades. A series of safety devices—bypass valve, filter screen and a magnet in the pump—prevent damage from overloading and insure long trouble-free service. Rams are adjustable to compensate for wear on blades.

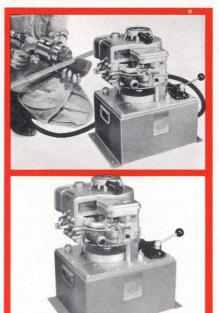
VARIETY OF WORKHEADS

HKP Hand Hydraulic Cutters are available with many different cutterheads, with capacities for cutting soft or hard materials, as well as with a nut-splitting cutterhead.



POWER

HKP Hydraulic and Pneumatic Power Packs embody the experience gained in more than 85 years of building tools for Industry. Teamed with high performance HKP Cutterheads, they are powered to meet the



toughest cutting requirements. In addition, HKP Hydraulic Power Units can be adapted to solve other special power problems: To operate special automatic machinery; test stands; portable tools; and a variety of other portable equipment hydraulically driven by remote control.

Ständard HKP Power Units are available with a wide variation of horsepower, oil volume, control options and control circuits—and can also be modified to fit your exact requirements.

HKP workheads are equally flexible—and can be utilized to perform a wide variety of metalworking operations, such as punching, notching, swedging, riveting and forming.



COLD WEATHER OPERATION

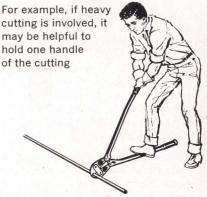
Medium low temperature oil is supplied as standard in HKP Power Hydraulic Units (pour point, 25°F). When units are operated below 20°F, drain and replace oil with extreme low temperature hydraulic oil (Texamatic Fluid or Shell Tellus 15).

For pumping very cold oil, 12 gauge conductor wires are recommended, to prevent stalling. Extension cords should be as short as possible. Fuses in circuit should be 25 amp. MOTOR WILL NOT OPERATE ON D.C. VOLTAGE.

Minor replacements—filter element, starter relay, toggle switch—can be handled by customer. For major disassembly or overhaul, ship unit to H. K. Porter, Inc., Somerville, Mass. 02143

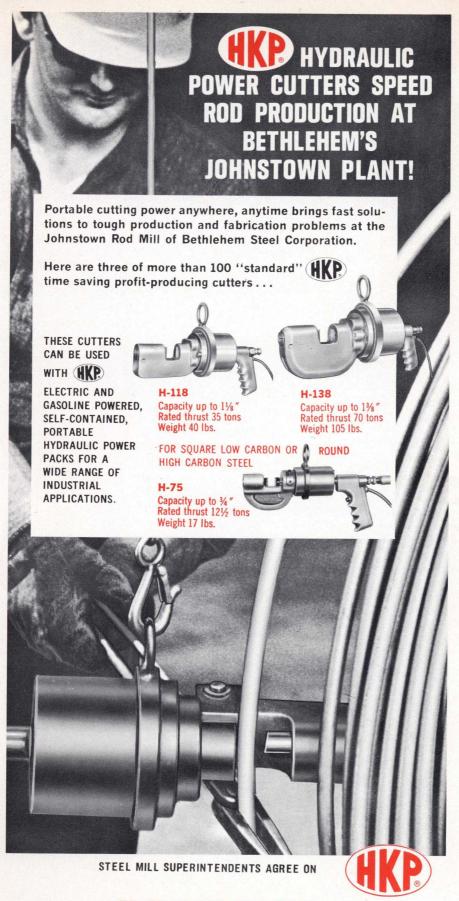
TIPS TO EASIER CUTTING

The most important requirement for easy cutting is using the proper tool. Next in importance is proper adjustment. But, in addition to these requisites, certain cutting techniques further simplify the cutting operation, and not only make it more efficient but also less strenuous.



tool on the ground with foot pressure. This permits most of the cutting force to be applied to the upper handle, making the cutting position less awkward—employs the added factor of body weight—and allows more power to be transferred to the cutting edges.

In other heavy cutting applications, extra power can be developed by holding the cutting tool sideways, close to the body, as illustrated—and exerting the cutting power on the upper handle, as in the previous application.



H. K. PORTER, INC.

SOMERVILLE, MASSACHUSETTS 02143





Effective Date February 15, 1968

POWER CUTTERS - USER NET PRICES

PART NO.	<u>CUTTERHEADS</u>	USER NET	
H-75	3/4" capacity Bar & Rod Cutterhead and Pistol Grip assembly.	\$ 254.00	(a)
H-118	1-1/8" capacity Bar & Rod Cutterhead and Pistol Grip assembly.	395.00	(d)
H -1 38	1-3/8" capacity Bar & Rod Cutterhead and Pistol Grip assembly.	1,150.00	(d)
106920	Rod Straightener Head. 9/16" to 1-1/4" diameter capacity, with Pistol Grip assembly.	395.00	(a)
H-118SQ	7/8" capacity H-118 head with shear blades for square cuts.	509.00	(a)
H-1770CD	Hydraulic cylinder assembly with Pistol Grip and center cut type cutterhead.	120.40	(a)
H-1770TN	Hydraulic cylinder assembly with Pistol Grip and notched shear type blades.	105.10	(a)
H-1770MCK	Hydraulic cylinder assembly with Pistol Grip and center cut type cutterhead with keeper assembly.	120.30	(a)
H-177087	Hydraulic cylinder assembly with Pistol Grip and 2" capacity shear blades.	110.85	(a)
H -17 7089	Hydraulic cylinder assembly with Pistol Grip and 3" capacity shear blades.	123.90	(a)
H-1770PQ	Hydraulic cylinder assembly with Pistol Grip and 1-7/8" capacity nut splitting head.	173.70	(a)
HRC_118	1-1/8" capacity wire rope cutting head only.	338.00	(c)
HTC-200	Hydraulic Chain repair unit .	840.00	

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POWER CUTTERS_ USER NET PRICES _ PAGE TWO.

PART NO.	HOSES	USER NET	
119580	15' length 3/8" NPT Hose & Elec. Control Wire. \$	31.50	(d)
119582	25' length hose as above.	52.50	(d)
	Add \$2.10 per foot for longer lengths in five foot multiples.		
	PUMPS		
HE-5301A	Pumping Unit. Specify whether 220V, 440V, or 550V required. 550V \$11.00 extra.	995.00	(d)
HE-5302A	Pumping Unit equipped to operate two heads.	1,150.00	(d)
HE-5303A	Pumping Unit equipped to operate three heads.	1,500.00	(d)
HE-5306A	Pumping Unit equipped to operate four heads.	1,700.00	(a)
HG-5301A	Pumping Unit, gasoline powered. 12.5 HP two cylinder air cooled engine. Six piston axial pump delivers 3.5 GPM at 5500 PSI. Solenoid control valve, 12 volt control circuit, safety relief valve.	1,555.00	(d)
HG-5302A	Same as above except for operating two heads.	1,787.00	(d)
HE-6401A	Pumping Unit. 1HP, 110 volt, 1 phase, 60 cycle motor, swivel casters, remote control circuit.	540.00	(c)
HE-6405A	Pumping Unit. 220V, 3 phase, 60 cycle. 110V remote control circuit.	605.00	(c)
HE-6406A	Same as above except 440V.	605.00	(c)
HG-6401A	Pumping Unit. 3 HP, 4 cycle Briggs & Stratton Engine, manual control valve.	603.00	(c)
HA-6401A	Air operated Hydraulic Pumping Unit.	668.00	(c)
HE-6401B	Pumping Unit, 110V with 4 way manual valve for operating two heads.	620.00	(c)
HE-6401C	Pumping Unit, 110V with double solenoid for remote control of two heads.	740.00	(c)

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POWER CUTTERS - USER NET PRICES - Page Three

CATALOG NO.	PUMPS (Cont.)	USER NET	
	Extra charge for caster mounting of HE-5301 - HE-5306 series pumps.	40.00	(e)
	BLADES For Bar - Rod - Cable Cutters		
13234	Stationary Blade for H-75 Cutterhead	15.20	(a)
13934	Movable Blade for H-75 Cutterhead	15.20	(a)
18508	Stationary Blade for H-75 Head. Hot work, Centercut.	17.00	(d)
18498	Movable Blade for H-75 Head. Hot work, Centercut.	17.00	(d)
13918	Stationary Blade for H-118 Cutterhead.	28.00	(a)
13908	Movable Blade for H-118 Cutterhead.	28.00	(d)
17238	Stationary Blade for H-118 Head. Hot work, Centercut.	31.00	(a)
17228	Movable Blade for H-118 Head, Hot work, Centercut.	31.00	(a)
15798	Stationary Blade for H-118 Head. Hot work, Shear Type.	35.00	(d)
15788	Movable Blade for H-118 Head. Hot work, Shear Type.	35.00	(a)
13744	Stationary Blade for H-138 Cutterhead.	34.50	(d)
13944	Movable Blade for H-138 Cutterhead.	34.50	(d)
18834	Stationary Blade for H-138 Head. Hot work, Centercut.	36.50	(d)
18824	Movable Blade for H-138 Head. Hot work, Centercut.	36.50	(a)
1712CD	Pair centercut blades for CD cutting head.	21.00	(a)
1712TN	Pair notched shear blades for TN cutting head.	20.30	(a)
1712MCK	Pair blades for MCK type cutterhead.	20.30	(a)
1722PQ	Single blade for PQ nut splitting head.	11.20	(a)

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POWER CUTTERS - USER NET PRICES - Page Four

CATALOG NO.	DESCRIPTION	USER NET
	BLADES - (Cont.)	
8712CN	Pair blades for 2" capacity Shear Type head.	26.50 (a)
8912CN	Pair blades for 3" capacity Shear Type head.	39.60 (a)
	CUTTERHEADS	
1713CD	Cutterhead with short nose, center cut jaws, Heavy duty straps.	37.30 (a)
1713TN	Cutterhead with notched shear blades.	22.00 (a)
1713PQ	Cutterhead for hydraulic nut splitter.	92.20 (a)
1713MCK	Cutterhead with keeper assembly.	39.70 (a)
8713CN	Cutterhead with 2" capacity shear blades.	27.70 (a)
8913CN	Cutterhead with 3" capacity shear blades.	40.80 (a)
	COMPONENTS FOR H1700 and H1701 HYDRAULIC UNITS	
H-1700	No. 1754 Hydraulic Cylinder Assembly with 10824 control handle assembled. (Use with 1713CD, 1713TN, 1713MCK.	83.10 (a)
H_1701	No. 1755 Hydraulic Cylinder Assembly with 10824 control handle assembled. (Use with 1713PQ, 8713CN, 8913CN.	83.10 (a)
1739	Blade connecting Stud Assembly consisting of one stud and two cotter pins.	•55 (a)
1754	Hydraulic Cylinder Assembly, 3/8" NPT with two 1739 studs. (Use with 1713CD, 1713TN, 1713MCK) Includes Piston Spacer.	44.50 (a)
1755	Hydraulic Cylinder Assembly, 3/8" NPT with two 1739 studs. (Use with 8713CN, 8913CN, 1713PQ).	44.50 (a)
10824	Pistol Grip Control Handle Assembly.	38.60 (a)

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POWER CUTTERS - USER NET PRICES - Page five

CATALOG NO.	DESCRIPTION	USER NET	
	BALANCERS		
20008	Balancer, 20#	\$ 125.00 (6	e)
21168	Balancer, 50#	130.00 (6	e)
24878	Balancer, 80#	150.00 (6	a)
14988	Balancer, 120#	162.00 (6	e)
	BOOM TRUCK		
15881	Swivel Boom Truck	595.00 (6	c)
28911	Portable Cable Cart with Cord Reel	375.00 (6	e)

ALL SHIPMENTS FOB SOMERVILLE, MASS.

A.K.POHTER, M.C.

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